

Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
31	21-Pergunnahs ...	Sept. 16th	2·9	Rainy and cloudy	Good where inundation has not destroyed the crops.	
32	Dacca ...	" 8th	·8	Sultry ...	Good. Waters falling again.	
33	Backergunge ...	" 9th	2·2	Sun and rain ...	Favorable.	
34	Furreedpore ...	" 16th	2·8	Rainy ...	Good, except sugar-cane.	The floods abating.
35	Mymensingh ...	" 9th	2·7	Showery with thunder-storms.	No change. Jute being cut.	
36	Sylhet ...	" 9th	1·6	Sultry ...	Promising very well.	
37	Cachar ...	" 9th	4·0	Fair ...	River continues high, but very little damage done to crops by the flood.	
38	Chittagong ...	" 8th	2·6	Rain and sun ...	Generally favorable.	
39	Noakhally or Bul-loah	" 8th	3·2	Very hot ...	Good	Much sickness.
40	Tipperah ...	" 8th	·9	Occasional showers.	Good.	
41	Hill Tracts of Chittagong	" 2nd	3·3	Mostly rainy ...	Good.	
42	Cuttack.				Excellent, except in some places where the crops have been damaged by flood.	
43	Balasore ...	" 16th	3·5	Rainy ...	In many places crops have suffered from want of rain, and there is much fear if the rain does not continue for a month.	Ryots of Parikud leaving their villages for want of rain.
44	Pooree ...	" 8th	2·0	Rain and thunder	Rice good; all other crops damaged.	
45	Hazareebaugh ...	" 16th	3·6	Rainy ...	Low land good; high land partially injured by blight caused by damp.	
46	Lohardugga ...	" 15th	3·9	Rainy and very cloudy.	Crops suffering from constant rain and want of sun.	
47	Maunbhoom ...	" 16th	4·2	Rainy ...	Favorable.	
48	Singbhoom ...	" 9th	1·6	Seasonable ...	Floods have submerged the land, but no damage is yet reported.	
49	Durrung ...	" 9th	·9	Rain and sun ...	Generally good; but in some places danger apprehended from the overflowing of the rivers.	
50	Nowgong ...	" 9th	5·0	Very sultry ...	Low lands somewhat damaged; other places good.	
51	Sebsaugor ...	" 9th	2·3	Warm, damp, and unhealthy.	Rice favorably, reported throughout the district.	
52	Kamroop ...	" 9th	·4	Dry ...	Satisfactory.	
53	Luckimpore ...	" 2nd	6·7	Cool and rainy ...	Favorable; but in some places insects have done some injury to rice.	
54	Khasi and Jynteah Hills.	" 8th	2·3	Dry ...	Favorable.	
55	Naga Hills.				Rain improving the crops.	
56	Julpigoree ...	" 8th	3·7	Cloudy and hot ...	Healthy.	
57	Gowalparah ...	" 9th	·8	Rain, thunder, and lightning.	Rice suffering from insects; other crops doing well.	
58	Garohills*	" 9th	6·6	Rainy, but seasonable.	Fair.	* No rain gauge.
59	Darjeeling ...	" 9th	7·5	Healthy ...		
60	Cooch Behar ...	" 9th	*	Seasonable ...		

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 19th September 1871.

C. BERNARD,  
Offg. Secy. to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	Stations.	Rainfall from 28th Aug. to 3rd Sept. 1871.	Rainfall from 4th to 10th Sept. 1871.	RAIN FROM 1st JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	2.70	3.60	40.18	10th Sept. 1871.	
	False Point { Jail ...	1.37	2.85	43.03	ditto.	
	Jajipore ...	0.65	Not received	48.95	3rd Sept. 1871.	
	Kendraparah ...	1.44	7.01	78.55	10th Sept. 1871.	
	Jugutsingapore ...	0.90	5.30	41.50	ditto.	
	Sumbulpore ...	0.60	6.30	42.73	ditto.	
	Balasore ...	Nil	Not received	34.33	3rd Sept. 1871.	
	Bhuddruck ...	0.31	3.33	47.24	10th Sept. 1871.	
	Poorce ...	0.70	2.36	47.92	ditto.	
	Khoordah ...	1.48	2.44	44.00	ditto.	
CHOTA NAGPORE.	Hazareebaugh ...	2.75	Not received	46.32	3rd Sept. 1871	
	Burhee ...	1.78	4.77	46.82	10th Sept. 1871.	
	Pachamba ...	0.62	5.51	44.50	ditto.	
	Ranchee ...	1.44	2.25	49.75	ditto.	
	Palamow ...	0.34	5.59	53.46	ditto.	
	Purulia ...	0.16	3.05	42.45	ditto.	
	Gobindpore ...	0.19	1.42	54.70	ditto.	
	Chyebassa ...	1.26	1.88	43.83	ditto.	From 12th June.
		0.72	2.24	46.70	ditto.	
PATNA.	Patna ...	1.16	0.80	41.10	ditto.	
	Behar ...	0.16	Not received	44.75	3rd Sept. 1871.	
	Barh ...	0.18	3.17	29.19	10th Sept. 1871.	
	Dinapore ...	0.50	0.57	41.47	ditto.	
	Gya ...	0.07	0.48	42.34	ditto.	
	Sherghotty ...	0.81	1.28	39.70	ditto.	
	Nowadah ...	1.41	1.48	42.88	ditto.	
	Arungabad ...	0.44	1.34	34.80	ditto.	
	Chumparun ...	2.75	1.68	33.72	ditto.	Not received 21st to 27th August.
	Bettiah ...	4.15	Not received	40.53	3rd Sept. 1871	From 5th June.
	Chuprah ...	3.20	4.00	56.78	10th Sept. 1871.	
	Sewan ...	6.90	5.84	58.73	ditto.	
	Mozufferpore ...	2.80	4.30	47.29	ditto.	
	Durbhangah ...	5.78	2.85	62.30	ditto.	
	Seetamaree ...	2.35	0.45	44.27	ditto.	
	Tajpore ...	2.00	2.70	39.49	ditto.	Not recorded 6th to 19th March.
	Mudhubani ...	3.52	3.08	47.24	ditto.	From 1st April.
	Hajipore ...	1.93	2.55	29.63	ditto.	From 22nd May.
	Arrah ...	0.82	1.38	50.53	ditto.	
	Buxar ...	1.75	1.85	57.43	ditto.	
	Sasseram ...	0.43	2.31	38.65	ditto.	
	Bhubhoah ...	2.51	2.52	50.98	ditto.	
BHAUGULPORE.	Benares ...	2.50	1.40	43.53	ditto.	
	Bhaugulpore ...	1.07	Not received	30.40	3rd Sept. 1871.	
	Mudheypoorah ...	0.80	1.10	44.13	10th Sept. 1871.	
	Banka ...	Not received	0.33	34.59	ditto.	Not received 28th Aug. to 3rd Sept
	Soopool ...	3.62	1.10	18.86	ditto.	From 14th August.
	Monghyr ...	0.90	4.29	49.12	ditto.	
	Jamooie ...	1.33	1.76	42.12	ditto.	
	Begoosari ...	0.13	1.60	35.50	ditto.	
	Deoghur ...	0.85	1.47	50.43	ditto.	
	Jamtara ...	0.50	0.35	56.18	ditto.	From 13th February.
	Rajmehar ...	5.60	2.40	56.00	ditto.	From 12th February.
	Pakour ...	2.40	1.00	35.44	ditto.	From 21st May.
	Purneah ...	6.34	2.70	65.49	ditto.	
	Kishengunge ...	4.92	2.96	49.43	ditto.	From 13th June.
	Arraria ...	9.66	0.77	50.87	ditto.	From 26th June.
RAJSHAHEE.	Rampore Beaulah... ..	1.36	0.61	61.97	ditto.	
	Nattore ...	5.68	4.53	72.08	ditto.	
	Bograh ...	2.22	3.05	75.99	ditto.	
	Dinapore ...	3.23	1.05	60.38	ditto.	
	Maldah ...	5.30	1.15	42.76	ditto.	
	Berhampore ...	1.33	3.76	55.24	ditto.	
	Jungipore ...	2.70	4.32	53.16	ditto.	
	Lalbagh ...	3.34	1.84	48.89	ditto.	From 16th January.
	Jamookandi ...	2.52	Not received	47.40	3rd Sept. 1871	From 17th April.
	Pubna ...	2.13	6.73	56.59	10th Sept. 1871.	
	Serajunge ...	3.14	2.56	65.78	ditto.	
	Rangpore ...	9.60	2.90	83.20	ditto.	
	Bhowanigunge ...	4.04	0.56	55.80	ditto.	From 22nd January.
	Titallya ...	8.25	4.17	70.02	ditto.	
BURDWAN.	Burdwan ...	0.36	7.76	58.70	ditto.	
	Cutwa ...	2.40	7.09	57.14	ditto.	
	Culina ...	0.35	3.09	57.41	ditto.	
	Bood-Bood ...	0.60	5.78	61.49	ditto.	
	Bancoorah ...	0.39	2.66	53.14	ditto.	
	Raneegunge ...	0.82	3.31	49.41	ditto.	
	Sooree ...	1.83	3.83	51.75	ditto.	
	Hooghly ...	0.50	4.60	69.59	ditto.	
	Serampore ...	0.56	4.37	47.86	ditto.	From 20th March.
	Jehanabad ...	1.91	2.21	58.64	ditto.	From 21st April.
	Howrah ...	1.03	7.12	83.2	ditto.	
	Midnapore ...	2.11	1.83	59.63	ditto.	
	Contai { Dy. Collr.'s Office...	0.51	4.06	61.17	ditto.	
	{ Engr.'s Office ...	0.58	4.55	71.25	ditto.	
	Gurbetta ...	0.35	2.79	52.13	ditto.	From 6th February.
	Tumlook ...	1.10	0.88	65.27	ditto.	

DIVISION.	Stations.	Rainfall from 28th Aug. to 3rd Sept. 1871.	Rainfall from 4th to 10th Sept. 1871.	RAIN FROM 1st JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur ...	1.14	Not received	49.54	3rd Sept. 1871.	
	Bongong ...	1.28	ditto	63.57	ditto.	
	Ranaghut ...	0.37	ditto	48.42	ditto.	
	Meherpore ...	0.85	ditto	48.50	ditto.	
	Chooadangah ...	2.10	ditto	63.45	ditto.	Not received 21st to 27th August.
	Kooshteah ...	1.58	6.17	70.85	10th Sept. 1871.	
	Jessore ...	1.67	2.22	74.12	ditto.	
	Khoolnah ...	2.03	6.38	71.26	ditto.	From 16th February.
	Jenidah ...	Not received	Not received	77.01	ditto.	From 6th March, and not received 28th Aug. to 3rd Sept.
	Nuril ...	0.38	ditto	51.41	3rd Sept. 1871.	From 3rd April.
	Magoorah ...	0.08	ditto	35.30	ditto.	ditto.
	Bagirhaut ...	1.78	ditto	66.17	ditto.	ditto.
	Saugor Island ...	0.70	3.80	78.40	10th Sept. 1871.	
	Calcutta ...	0.84	5.42	81.51	ditto.	
	Alipore { Jail ...	1.13	5.50	86.09	ditto.	
	{ Hospital ...	1.11	5.08	84.40	ditto.	
	Barrackpore ...	0.10	4.34	79.84	ditto.	
	Dum-Dum ...	0.87	5.33	59.37	ditto.	
	Baraset ...	0.25	6.16	62.13	ditto.	
	Satkerah ...	1.15	1.60	65.78	ditto.	
DACCA.	Busseerhaut ...	1.05	2.10	64.16	ditto.	
	Diamond Harbour ...	0.77	3.93	73.02	ditto.	
	Barriore ...	1.00	3.24	76.33	ditto.	
	Dacca { Telegraph Office ...	1.42	Not received	74.88	3rd Sept. 1871.	
	{ Jail ...	0.80	1.60	71.10	10th Sept. 1871.	
	Burrisaul ...	1.77	2.23	76.93	ditto.	
	Dowlat Khan ...	0.51	1.96	85.62	ditto.	
	Perozepore ...	1.72	4.05	80.20	ditto.	
	Madaripore ...	1.23	1.99	68.26	ditto.	
	Furzedpore ...	1.01	5.25	82.80	ditto.	From 5th June.
	Goalundo ...	0.17	4.11	46.07	ditto.	
	Mymensing ...	7.03	1.64	93.81	ditto.	
	Jamalpor ...	0.95	0.45	66.97	ditto.	
	Atteah ...	0.76	7.80	89.33	ditto.	
CHITTAGONG.	Kishoregunge ...	3.53	1.42	86.39	ditto.	
	Sylhet ...	3.15	0.91	111.11	ditto.	
	Cachar ...	2.94	Not received	72.98	3rd Sept. 1871.	
	Hylakandy ...	1.86	ditto	71.20	ditto.	Not received 10th to 23rd July.
	Koyah ...	1.45	ditto	86.05	ditto.	Not received 31st July to 6th Aug.
	Chittagong { Telegraph Office ...	2.20	1.80	88.68	10th Sept. 1871.	
	{ Jail ...	2.02	1.57	91.86	ditto.	
	Cox's Bazar ...	2.07	Not received	144.51	3rd Sept. 1871.	
	Rangamata Hill ...	Not received	ditto	78.51	27th Aug. 1871.	
	Noakhally ...	2.43	3.18	100.11	10th Sept. 1871.	
COCH BEHAR.	Tipperah ...	1.60	0.95	85.72	ditto.	
	Brahmanbariah ...	3.48	Not received	90.12	3rd Sept. 1871.	
	Akyab ...	Nil	2.60	165.90	10th Sept. 1871.	
	Buxa ...	14.16	2.31	141.61	ditto.	
	Gowalparah ...	2.86	Not received	78.41	3rd Sept. 1871.	Not recorded 27th Feb. to 5th March.
	Dhoobree ...	2.10	0.20	54.96	10th Sept. 1871.	
	Tura (Garó Hills) ...	5.97	Not received	88.42	3rd Sept. 1871.	
	Darjeeling { Telegraph Office ...	Not received	ditto	77.14	15th Aug. 1871.	
ASSAM.	{ Hospital ...	2.34	8.60	99.37	10th Sept. 1871.	
	Rungbee ...	Not received	Not received	117.04	31st July 1871.	
	Falacottah ...	ditto	ditto	43.97	6th Aug. 1871.	
	Julpigooree ...	4.33	3.05	82.83	10th Sept. 1871.	
	Boda ...	4.50	Not received	59.63	3rd Sept. 1871.	
	Tezpor ...	1.47	ditto	71.28	ditto.	
	Nowgong ...	5.57	ditto	100.74	ditto.	From 13th January.
	Munglodye ...	2.36	ditto	60.60	ditto.	
	Burpettah ...	4.21	ditto	70.37	ditto.	
	Gowhatti ...	0.38	0.29	48.66	10th Sept. 1871.	
ASSAM.	Seebangor ...	5.99	Not received	104.70	3rd Sept. 1871.	
	Jorehaut ...	6.90	ditto	81.72	ditto.	From 27th February.
	Golaghat ...	6.18	ditto	94.28	ditto.	
	Nazeerah ...	6.03	ditto	91.15	ditto.	
	Debrooghur ...	10.30	ditto	90.55	ditto.	
	Suddya ...	Not received	ditto	71.34	27th Aug. 1871.	Not received 31st July to 6th Aug.
	Shillong ...	1.79	ditto	56.71	3rd Sept. 1871.	
	Cherrapunjee ...	9.48	ditto	268.91	ditto.	From 18th February.
	Jowai ...	4.39	ditto	97.08	ditto.	
	Samoogooding ...	Not received	ditto	39.39	27th Aug. 1871.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 16th September 1871.



## Meteorological Telegraphic Report for the period 10th to 16th September 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. =100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Sept.											
	10th	10	29.601	29.619	84.8	81.2	83	SSE	...	0.17	C	Scuds
	10th	16	29.499	29.517	86.5	81.0	77	S by W	...	0.04	...	o, d
	11th	10	29.610	29.628	84.2	80.3	85	E	...	0.05	K	...
	11th	16	29.482	29.500	84.2	80.3	85	ESE	...	...	N	...
	12th	10	29.581	29.599	79.0	78.3	93	SE	...	0.02	...	o
	12th	16	29.480	29.498	80.5	79.5	95	SSE	...	...	...	o
	13th	10	29.576	29.594	78.1	77.4	97	SSW	...	1.08	...	o
	13th	16	29.497	29.515	79.4	77.6	93	S by E	...	0.18	...	o
	14th	10	29.646	29.664	81.6	80.2	91	S	...	0.82	S	...
	14th	16	29.574	29.592	82.0	79.5	89	S by E	...	...	S	...
	15th	10	29.711	29.729	84.5	81.0	85	S	...	0.23	C, CK	...
SANTOR ISLAND.	10th	10	29.602	29.620	87.4	83.1	81	SSE	...	...	K	d
	10th	16	29.587	29.605	84.5	81.2	85	S by E	...	0.15	K, CS	...
	11th	10	29.589	29.595	86.0	82.0	81	E	3.6*	1.20	N	b, v
	11th	16	29.493	29.499	87.0	82.0	79	ESE	13.0*	...	N	b, v
	12th	10	29.578	29.584	83.0	82.0	95	E	7.3*	0.60	N	o, d, u
	12th	16	29.446	29.452	83.0	82.0	95	E	1.8*	0.03	N	o, p, u
	13th	10	29.589	29.595	82.0	81.0	95	SSW	8.3*	2.10	N	o, r, u
	13th	16	29.474	29.480	80.0	79.0	95	SSW	3.2*	1.00	N	o, u
	14th	10	29.593	29.599	83.0	81.0	91	SSW	10.0*	1.10	N	o
	14th	16	29.512	29.518	83.0	81.0	91	S	9.3*	0.10	N	d, o
	15th	10	29.661	29.667	85.0	83.0	91	SSW	15.8*	0.90	N	o, u
	15th	16	29.578	29.584	86.0	82.0	83	S	16.7*	...	N	m, o, u
CHITTAGONG.	10th	10	29.739	29.745	87.0	83.0	83	S	15.2*	0.10	N	m, o
	10th	16	29.643	29.649	86.0	82.0	83	S	18.9*	...	N	m, o
	11th	10	29.703	29.709	84	81	87	SSW	15.7*	0.20	N	b, v
	11th	16	29.600	29.606	86	82	83	SSE	15.7*	...	N	b
	12th	10	29.583	29.604	85	80	79	S	3.5*	0.10	K, S, C	v
	12th	16	29.484	29.504	82	80	91	S	5.6*	0.20	N	d, u, t
	13th	10	29.604	29.714	83	79	83	E	3.9*	0.10	KS	u, v
	13th	16	29.502	29.612	83	79	83	SW	6.7*	0.10	N	d, u, t, l
	14th	10	29.607	29.717	83	80	87	E	4.3*	0.20	KS, CK	b, v
	14th	16	29.491	29.604	83	79	83	S	10.0*	...	K, CK, KS	u
	15th	10	29.636	29.746	82	77	78	E	6.7*	...	K, KS	v
	15th	16	29.509	29.620	81	77	82	SE	11.3*	...	K, KS	u
MADRAS.	10th	10	29.694	29.806	77	71	73	S	6.3*	0.60	N	r
	10th	16	29.604	29.714	82	78	82	S	8.5*	0.10	K, K	v
	11th	10	29.736	29.846	83	79	83	SE	4.0*	0.40	CK, K	b, v
	11th	16	29.648	29.753	83	79	83	S	11.5*	...	K, KS	b
	12th	10	29.736	29.846	81	78	75	ESE	5.4*	...	C, CK	b
	12th	16	29.613	29.723	84	79	79	SW	10.1*	...	KS, C	b
	13th	10	29.754	29.784	86	73	51	ENE	2*	0.01	...	bc
	13th	16	29.617	29.647	92	75	42	S	7*	...	...	bc
	14th	10	29.736	29.766	87	74	51	S	14*	...	...	bc
	14th	16	29.589	29.619	92	75	42	S by E	11*	...	...	bc
	15th	10	29.740	29.770	90	74	44	S	20*	...	...	bc
	15th	16	29.587	29.617	97	75	32	S	14*	...	...	bc
CUTTACK.	10th	10	29.750	29.780	91	74	41	S	17*	...	...	bc
	10th	16	29.605	29.635	97	75	32	S by E	16*	...	...	bc
	11th	10	29.764	29.794	90	73	41	S by E	15*	...	...	bc
	11th	16	29.607	29.637	97	75	32	SE	15*	...	...	bc
	12th	10	29.703	29.823	92	74	39	S	11*	...	...	b
	12th	16	29.661	29.691	87	77	61	NNE	13*	...	...	bc
	13th	10	29.823	29.853	92	75	42	SE by S	9*	...	...	bc
	13th	16	29.688	29.718	87	75	55	NE	14*	...	...	bc
	14th	10	29.563	29.615	86	81	79	E by N	0.1*	...	KS	fair
	14th	16	29.425	29.507	88	81	72	E	0.4*	...	KS, N, C	...
	15th	10	29.520	29.602	86	80	75	NE	0.1*	...	KS, C, N	...
	15th	16	29.420	29.502	86	80	75	ENE	0.3*	...	KS, N	...
AKRAB.	10th	10	29.538	29.621	79	78	95	NE	0.1*	0.70	N	d, r
	10th	16	29.415	29.498	80	79	95	NNE	0.1*	...	K, N	o, d
	11th	10	29.525	29.607	83	79	83	WNW	...	0.40	N	o, r, d
	11th	16	29.403	29.485	83	80	87	SSW	0.3*	...	N	...
	12th	10	29.515	29.597	83	79	83	SW	0.1*	0.40	CK, KS	d, r
	12th	16	29.410	29.492	85	80	79	S	0.5*	...	KS, N	o
	13th	10	29.580	29.662	85	80	79	SSW	0.6*	...	N	cloudy
	13th	16	29.495	29.577	88	81	72	SW	1.1*	...	C, KS, N	...
	14th	10	29.666	29.748	87	81	76	SSW	1.0*	...	CK, KS	...
	14th	16	29.582	29.644	89	82	73	SW	1.2*	...	KS	fair
	15th	10	29.563	29.678	84	80	83	SSE	1	...	K, C, CS	...
	15th	16	29.576	29.591	83	79	83	SSE	2	...	K, CS, KS	g
AKRAB.	10th	10	29.675	29.690	79	75	82	SSE	2	...	K, KS	g
	10th	16	29.584	29.599	84	79	79	S	1	...	K, KS	g
	11th	10	29.720	29.735	81	79	91	SSE	1	0.40	KS, N	r
	11th	16	29.619	29.634	79	77	90	SSW	1	0.70	N	r
	12th	10	29.761	29.776	77	76	95	S	1	2.00	N	r
	12th	16	29.627	29.642	79	77	90	SE	1	0.30	N	r
	13th	10	29.791	29.806	77	75	90	SE	1	2.30	KS	o, u
	13th	16	29.713	29.728	80	77	86	SSE	1	0.10	K, KS	g, u
	14th	10	29.844	29.859	79	77	90	ESE	1	1.50	K, KS	g
	14th	16	29.748	29.763	82	78	82	S	2	...	K, KS	g
	15th	10	29.887	29.892	78	76	90	SSW	1	...	KS, N	d
	15th	16	29.688	29.703	82	77	78	SSW	1	...	C, CS, K, CK	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 16th September 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.



**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th September 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
		Inches.	°	°	°	°	°	°			lb	Miles.	In.		
Sept.	8th	29.612	90.8	78.8	148.8	84.3	80.6	78.0	0.82	S & S by E	...	44.9	...	...	Clear, cumuli, and cumulon. Lightning from 7 to 11 P.M. Drizzled at 4½ P.M.
	9th	558	88.5	81.4	148.7	83.6	80.6	78.5	.85	S by W & E by S	...	30.2	0.25	...	Overcast and cumuli. Lightning at midnight and 7 P.M. Slight rain at 6, 7, 8 A.M., 3½ and 7 P.M.
	10th	563	87.1	79.0	141.0	82.4	79.8	78.0	.87	E S E & S E	0.2	70.0	0.09	...	Chiefly overcast. Slight rain at 1½, 10½, 12½, 2½, 4, 5, and 6 P.M.
	11th	546	88.4	80.0	141.5	82.4	79.9	78.1	.87	E S E & E	0.5	152.1	0.02	...	Clouds of different kinds. Lightning at 7 and 10 P.M. Light rain at 1½, 2, 4, and 6 P.M.
	12th	528	81.5	78.6	...	79.8	79.0	78.4	.90	E S E & S S E	...	142.7	1.26	...	Overcast. Lightning at midnight. Slight rain from 3 A.M. to 1 and 3 to 6 P.M.
	13th	541	83.0	77.8	128.8	79.9	79.0	78.4	.95	S S E & S by E	...	99.6	0.48	...	Overcast and strati. Slight rain nearly the whole day.
	14th	605	83.7	78.5	114.8	80.1	79.7	78.9	.94	S by E	...	131.4	0.68	...	Overcast and strati. Slight rain from midnight to 7 A.M. and at 5 P.M.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	13.0
The max. temperature during the past seven days	...	90.8
The max. temperature during the corresponding period of the past year	...	91.2
The mean humidity during the past seven days	...	0.89
The mean humidity during the corresponding period of the past year	...	0.83
Inches.		
The total fall of rain from 8th to 14th	... { by lower rain gauge	2.78
	... { by anemometer gauge	2.73
Ditto ditto average of seventeen previous years	...	3.41
Ditto between the 1st January and the 14th September	...	84.21
Ditto ditto ditto ditto, average of seventeen previous years...	...	56.98

GOPEENATH SEN,  
In charge of the Observatory.

The 18th September 1871.

**GOVERNMENT OF BENGAL.**  
**PUBLIC WORKS DEPARTMENT.**  
**Irrigation Branch.**  
**Irrigation Operations of Lower Bengal up to 31st July 1871.**

CIRCLE.	Canal.	WATER SUPPLIED DURING 1871-72.			APPROXIMATE AREA IRRIGATED DURING JULY 1871.			RAINFALL.				NAVIGATION RETURNS.					CHIEF IRRIGATION.		REMARKS.		
		Full supply depth.	Estimated full discharge in cubic feet per second.	Average depth throughout the month.	Average discharge in cubic feet per second throughout the month.	District.	Area actually receiving water during the month in acres.	Of column 8 area receiving water for the first time during current year.	Total of column 9 for all previous months of current year.	Total area irrigated up to date during the current year.	Inches during the month.	Inches up to date during the year.	Average of ten previous years for the same period.	Nature of traffic.	Number of boats.	Tonnage.	Tom mileage.	Approximate value of goods.		Per column 8.	Per columns 8 and 9.
Orissa	High Level	8	675	4.63	277	Cuttack	6,074	3,411	3,265	6,676	15.32	32.73	26.54	Local Government	61	177	2,072	1,015	Rice	Rice	The heavy rainfall has prevented spread of irrigation.  Drainage has been a pressing want during the month, not irrigation. Until ample provision is made for drainage, irrigation must be in all years of similar rainfall practically impossible. Ranges Nos. 1 and 3 opened from 1st July.
	Kendraparah	7	1,262	4.68	652.52	Ditto	14,810	12,180	2,650	14,810	15.32	32.73	26.51	Local Government	70	1,015	12,080	11,023	Rice	Rice	
	Taldundah	8	1,300	7	75	Ditto	2,325	1,525	500	2,325	15.32	32.73	26.54	Through Government	306	2,674	1,06,970	5,17,073	Rice	Rice	
	Midnapore	8	875	...	...	Midnapore	...	...	5,903	5,903	13.34	36.64	38.01	Local Government	25	310	6,381	1,354	Rice	Rice	
South-Western	Panchoorah	6	240	...	...	Howrah	...	...	...	...	12.85	37.75 available.	Not available.	Local Government	1,983	9,755	81,668	5,96,116	Rice	Rice	
	Tidal Canal	...	...	...	...	Midnapore	...	...	...	...	...	...	...	Local Government	...	...	...	...	...	...	
Orissa	High Level	...	...	...	...	Cuttack	333	333	47	380	7.33	17.83	25.78	Local Government	945	5,926	154,073	1,16,648	...	...	Drainage has been a pressing want during the month, not irrigation. Until ample provision is made for drainage, irrigation must be in all years of similar rainfall practically impossible. Ranges Nos. 1 and 3 opened from 1st July.
	Kendraparah	...	...	...	...	Ditto	1,292	205	2,161	2,356	7.33	17.83	25.79	Local Government	...	...	...	...	...	...	
South-Western	Taldundah	...	...	...	...	Ditto	...	...	...	...	7.33	17.83	25.79	Local Government	...	...	...	...	...	...	Drainage has been a pressing want during the month, not irrigation. Until ample provision is made for drainage, irrigation must be in all years of similar rainfall practically impossible. Ranges Nos. 1 and 3 opened from 1st July.
	Midnapore	...	...	...	...	Midnapore	26,604	16,011	10,593	26,604	5.30	19.05	...	Local Government	...	...	...	...	...	...	
	Panchoorah	...	...	...	...	Howrah	208	208	...	208	10.49	25.89	...	Local Government	4	37	975	860	...	...	
	Total	...	...	...	...	Total	28,437	10,757	12,791	29,548	...	...	...	...	...	...	...	...	...	...	

T. M. KIRKWOOD, C. S.,  
Canal Revenue Supt., Bengal.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 2nd September 1871, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.				Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	84,107	92,569 11 2	8,485 11 1	464,150 20	2,36,838 13 0	21,710 4 2	30,195 15 3	
Or per mile of railway ...		72 5 7	6 12 8		185 1 8	16 10 4	23 12 0	
For previous 8 weeks of half-year ...	697,040	8,19,068 7 0	75,081 5 6	3,082,454 0	15,40,354 11 9	169,524 3 8	244,605 9 2	
Total for 9 weeks ...	781,147	9,11,638 2 2	83,566 16 7	3,546,604 20	20,86,193 5 9	191,234 7 10	274,801 4 5	
COMPARISON.								
Total for corresponding week of previous year ...	88,608	1,10,295 10 9	10,935 8 9	461,650 0	3,46,613 5 0	31,772 17 9	42,708 6 6	
Per mile of railway corresponding week of previous year ...		105 6 11	9 13 4		306 5 3	28 1 7	37 14 11	
Total to corresponding date of previous year ...	808,177½	10,16,251 6 5	93,156 7 7	4,405,985 30	30,75,848 7 2	281,952 15 6	375,109 3 1	

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 2nd September 1871, on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,287	7,269 3 11	696 6 11	50,776 10	13,980 8 9	1,282 7 6	1,948 14 5
Or per mile of railway ...		32 9 7	2 19 9		62 11 9	5 15 0	8 14 9
For previous 8 weeks of half-year ...	28,183½	67,947 6 11	6,228 10 4	260,298 20	64,043 3 0	5,870 12 6	12,099 2 10
Total for 9 weeks ...	31,470½	75,216 10 10	6,894 17 3	320,074 30	78,632 11 9	7,153 0 0	14,047 17 3
COMPARISON.							
Total for corresponding week of previous year ...	2,014½	7,228 0 4	602 11 4	12,345 20	3,251 15 9	298 2 0	960 13 4
Per mile of railway corresponding week of previous year ...		32 6 7	2 19 5		14 9 4	1 6 9	4 6 2
Total to corresponding date of previous year ...	29,787	75,408 14 9	6,912 9 8	152,619 20	47,316 11 6	4,337 7 4	11,240 17 0

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 2nd September 1871, on 156½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	27,639	10,191 5 0	934 4 1	7,426 31	2,290 7 0	269 19 1	1,144 3 2
Or per mile of railway ...	177	65 1 11	5 19 5	47 0	14 10 2	1 6 10	7 6 3
For previous 9 weeks of half-year ...	219,680	1,19,039 10 4	10,911 19 4	1,090,225 21	4,08,492 13 10	37,445 3 6	48,357 2 10
Total for 10 weeks ...	247,319	1,29,230 15 4	11,846 3 5	1,097,652 12	4,10,783 4 10	37,655 2 7	49,501 6 0
COMPARISON.							
Total for corresponding week of previous year ...	20,377	10,270 12 1	941 9 9	161,048 23	34,080 2 0	3,124 0 3	4,665 10 0
Per mile of railway corresponding week of previous year ...	130	60 11 1	8 6 3	1,422 0	360 14 10	27 11 9	35 18 0
Total to corresponding date of previous year ...	233,665	1,12,613 13 8	10,322 18 10	984,186 17	1,89,640 9 2	17,383 14 6	27,766 15 4

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd September 1871, on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	4,018	613 6 6	61 6 1	4,548 10	149 10 6	14 19 3	76 5 4
Or per mile of railway ...	143	21 14 4	2 3 10	162 0	5 5 8	0 10 8	2 14 6
For previous 22 weeks of half-year ...	133,877	24,517 11 9	2,451 15 5	225,231 20	6,690 5 6	609 15 9	5,121 14 2
Total for 23 weeks ...	137,895	25,130 12 3	2,513 1 6	229,779 30	6,840 0 0	624 18 0	5,197 19 6
COMPARISON.							
Total for corresponding week of previous year ...	4,186	777 12 0	77 15 6	8,539 20	261 9 3	26 3 2	103 18 8
Per mile of railway corresponding week of previous year ...	150	27 12 5	2 15 7	805 0	9 5 6	0 18 6	3 14 3
Total to corresponding date of previous year ...	138,156½	21,070 0 0	2,107 0 0	228,418 4	7,896 9 9	780 13 3	2,896 13 3



No. 39

of 1871



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY, SEPTEMBER 27, 1871.

OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 23rd September 1871.*

Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
1	Bhaugulpore	Sept. 22nd	1.1	Very favorable ...	Very good, except where injured by floods.	Almost the whole of Behooseraie sub-divn. under water again.
2	Monghyr	" 23rd	2.2	Seasonable ...	Gloomy and uncertain.	
3	Purneah	" 9th	3.3	Rain and sun ...	Crops which have escaped destruction by floods are good.	
4	Rajmehal	" 23rd	2.9	Rainy and cloudy	Rice same as before. Pulses partially damaged by inundation.	
5	Deoghur	" 23rd	2.6	Generally fair ...	Favorable.	* No rain gauge.
6	Nya Doomka	" 23rd	1.6	Rain and sun ...	High land rice good; low land damaged by rain.	
7	Godda	" 23rd	*	Seasonable ...	Prosperous.	
8	Pakour	" 23rd	3.1	Dry, then rainy and cloudy.	Favorable.	
9	Jamtara	" 22nd	2.5	Very rainy. Sun much required.	Pretty good, except rice in low lands, which is suffering from too much rain.	
10	Patna	" 23rd	2.9	Rainy and cloudy	Some more heavy floods during the week, with what effect on the crops is not yet known.	
11	Gya	" 23rd	1.6	Fine	Good.	
12	Chumparun	" 16th	1.6	Cool east winds ...	Bhadoi crops considerably damaged by inundation.	
13	Sarun.	" 23rd	2.2	Rain and sun ...	Rice promising.	
14	Shahabad	" 23rd	2.2	Rain and sun ...	Improving, and the floods fast receding.	
15	Tirhoot	" 23rd	4.4	Variable	Ons much damaged. Amun still favorable.	
16	Rajshahye	" 21st	2.2	Rainy and hot ...	Still favorable.	
17	Bogra	" 15th	5.1	Rainy	Improving, but the river has risen again by six inches.	
18	Dinapore.	" 23rd	5.5	Very rainy	Continue promising.	
19	Maldah.	" 23rd	0.4	Rain and sun ...	Good.	
20	Moorshedabad	" 16th	5.0	Rain and storm ...	Rice crops generally good, but partially damaged in some places. Sugar-cane not good.	
21	Pubna	" 23rd	1.1	Fair and rainy	Favorable, but a peculiar blight is causing some injury to rice.	
22	Rungpore	" 23rd	1.5	Hot	Good.	
23	Burdwan	" 23rd	1.2	Fair	Ons reaped. Amun very good, except where destroyed by flood.	
24	Bancoorah	" 23rd	1.5	Cloudy and rainy	Good on high lands; on low lands damaged by floods.	
25	Howrah	" 23rd	2.8	Favorable	Good, except on inundated parts.	A little fever is prevalent, but it is not serious. Cattle suffering from disease.
26	Beerbhoom	" 23rd	0.7	Rain and sun ...	Floods subsiding slowly, and Kolai being sown.	
27	Nuddea	" 23rd	0.9	Fine	Very cheering; floods rapidly subsiding, and Amun unexpectedly favorable.	
28	Jessore	" 22nd	1.6	Fine	Good, except where injured by inundation and excessive rain.	
29	24-Pergunnahs	" 23rd	3.7	Rainy and cloudy	Very good.	
30	Dacca	" 15th	1.9	Cloudy and rainy	Favorable, except where seedlings have been destroyed.	
31	Backergunge	" 16th	0.3	Sunny and rainy	Rice good. Sugar-cane much damaged.	
32	Furreedpore	" 23rd		Clear, but close...		

Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
35	Mymensingh ...	Sept. 16th	4.1	Rainy ...	Highly satisfactory. The rivers are still very high, but no damage whatever has been done to any crops.	
36	Sylhet ...	" 16th	5.5	Rainy and hot ...	Good.	
37	Cachar ...	" 16th	1.6	Cloudy and rainy ...	Very good.	
38	Chittagong ...	" 15th	2.4	Showery ...	Generally favorable, but in some places caterpillars are doing some injury.	
39	Noakhally or Bulloah ...	" 15th	7.5	Very wet and rainy.	Good; but this rain may prove injurious to crops in low places.	
40	Tipperah ...	" 15th	2.0	Occasional showers.	Good.	
41	Hill Tracts of Chittagong					
42	Cuttack ...	" 16th	1.5	Showery ...	Good.	
43	Balasore.					
44	Pooree ...	" 15th	2.2	Thunder-storms, followed by a gale from south-west, for two days.	Generally favorable; but at Bhoobunessur the crops have been affected by a blight.	
45	Hazareebaugh ...	" 23rd	3.0	Favorable ...	Rice on high lands somewhat blighted.	
46	Lohardugga ...	" 22nd	0.5	Fair, but hot ...	Very favorable.	
47	Maunbhoom ...	" 23rd	1.6	Favorable ...	High land rice good; it is gathered; low land 4 annas damaged.	
48	Singbhoom ...	" 16th	6.1	Seasonable ...	Very favorable.	
49	Durrung ...	" 16th	3.2	Hot ...	The district under water, but no injury to crops.	
50	Nowgong ...	" 16th	2.7	Cool ...	Good, except where injured by inundation. Sugarcane good.	
51	Sebsaugor ...	" 16th	Nil	Damp and unhealthy.	Pretty good.	
52	Kamroop ...	" 16th	2.0	Rainy ...	Not very favorable.	
53	Luckimpore ...	" 9th	4.4	Fine and warm ...	Satisfactory.	
54	Khasi and Jynteah Hills.	" 15th	3.5	Rain and sun ...	Favorable.	
55	Naga Hills.					
56	Julpigoree ...	" 15th	1.7	Cloudy and hot ...	Favorable.	
57	Gowalparah.					
58	Garo Hills ...	" 16th	2.6	Seasonable rain ...	Healthy.	
59	Darjeeling ...	" 16th	8.5	Healthy ...	Rice crops injured by insects and rain; other crops good.	
60	Cooch Behar ...	" 16th	*	Seasonable ...	Good	* No rain gauge.

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 26th September 1871.

C. BERNARD,  
Offg. Secy. to the Govt. of Bengal.



# Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	Stations.	Rainfall from 4th to 10th Sept. 1871.	Rainfall from 11th to 17th Sept. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	3.60	2.20	51.38	17th Sept. 1871.	
	{ Jail ...	2.85	2.47	45.50	ditto.	
	False Point ...	2.65	3.25	51.85	ditto.	
	Jajipore ...	7.01	3.07	81.62	ditto.	
	Kendraparah ...	5.30	1.40	42.90	ditto.	
	Jugutsingapore ...	6.30	2.10	44.83	ditto.	
	Subulpore ...	4.80	1.88	41.01	ditto.	
	Balasore ...	3.33	3.48	50.72	ditto.	
	Bhuddruck ...	2.36	2.49	50.41	ditto.	
	Pooree ...	2.44	2.26	46.26	ditto.	
CHOTA NAGPORE.	Khoordah ...	1.44	0.91	48.67	ditto.	
	Hazareebaugh ...	4.77	6.27	53.09	ditto.	
	Burhee ...	5.51	1.76	46.26	ditto.	
	Pachamba ...	2.25	3.25	53.00	ditto.	
	Ranchee ...	5.59	3.56	57.02	ditto.	
	Palamow ...	3.05	1.54	43.99	ditto.	
	Parulia ...	1.42	3.62	58.32	ditto.	
	Gobindpore ...	1.68	6.95	50.78	ditto.	From 12th June.
	Chyebassa ...	2.24	5.66	52.36	ditto.	
PATNA.	Patna ...	0.80	3.41	44.51	ditto.	
	Behar ...	2.51	2.66	49.82	ditto.	
	Barh ...	3.17	3.36	32.55	ditto.	
	Dinapore ...	0.57	2.31	43.78	ditto.	
	Gya ...	0.48	1.79	44.13	ditto.	
	Sherghotty ...	1.28	2.98	42.68	ditto.	
	Nowadah ...	1.48	3.87	46.75	ditto.	
	Arungabad ...	1.34	2.00	36.80	ditto.	
	Chumparua ...	1.68	6.61	39.73	ditto.	Not received 21st to 27th August.
	Bettiah ...	2.70	5.05	48.28	ditto.	From 5th June.
	Chuprah ...	4.00	6.50	63.28	ditto.	
	Sewan ...	5.84	8.28	67.01	ditto.	
	Mozufferpore ...	4.30	5.90	53.19	ditto.	
	Durbhangah ...	2.85	6.74	69.04	ditto.	
	Seetamaree ...	0.45	7.47	51.74	ditto.	
	Tajpore ...	2.70	4.80	44.29	ditto.	Not recorded 6th to 19th March.
	Mudhubani ...	3.08	2.30	49.54	ditto.	From 1st April.
	Hajipore ...	2.55	5.29	34.92	ditto.	From 22nd May.
	Arrah ...	1.38	3.73	54.26	ditto.	
	Buxar ...	1.85	6.05	63.48	ditto.	
BHAUGULPORE.	Sasseram ...	2.31	6.13	44.78	ditto.	
	Bhubhooh ...	2.52	3.36	54.34	ditto.	
	Benares ...	1.40	6.05	49.58	ditto.	
	Bhangulpore ...	Not received	1.73	32.13	ditto.	Not received 4th to 10th Sept.
	Mudheypoorah ...	1.10	4.20	48.33	ditto.	
	Banka ...	0.34	2.97	37.56	ditto.	Not received 28th Aug. to 3rd Sept
	Soopool ...	1.10	3.55	22.41	ditto.	From 14th August.
	Monghyr ...	4.29	2.79	51.91	ditto.	
	Jamooie ...	1.76	1.96	44.08	ditto.	
	Begooasari ...	1.60	3.10	38.60	ditto.	
	Deoghur ...	1.47	2.39	52.82	ditto.	
	Jamtara ...	0.35	2.15	58.33	ditto.	From 13th February.
	Rajmehal ...	2.40	8.70	64.70	ditto.	From 12th February.
	Pakour ...	1.00	6.39	41.83	ditto.	From 21st May.
RAJSHAHYE.	Purneah ...	2.70	3.80	69.29	ditto.	
	Kishengunge ...	2.96	3.24	52.67	ditto.	From 13th June.
	Arraria ...	0.77	Not received	50.87	10th Sept. 1871	From 26th June.
PURDWAR.	Rampore Beaulash... ..	0.61	4.14	66.11	17th Sept. 1871.	
	Nattore ...	4.53	4.27	76.35	ditto.	
	Bograh ...	3.05	6.11	82.10	ditto.	
	Dinapore ...	1.05	5.98	66.36	ditto.	
	Maldah ...	1.15	4.92	47.68	ditto.	
	Berhampore ...	3.76	3.10	58.34	ditto.	
	Jungipore ...	4.32	4.65	57.81	ditto.	
	Lalbagh ...	1.84	5.43	54.32	ditto.	From 16th January.
	Jamookandi ...	2.39	3.81	53.60	ditto.	From 17th April.
	Pubna ...	6.73	5.44	62.03	ditto.	
	Serajunge ...	2.56	3.48	69.26	ditto.	
	Rungpore ...	2.90	4.80	88.00	ditto.	
	Bhowanigunge ...	0.56	5.85	61.65	ditto.	From 22nd January.
	Titaiya ...	4.17	3.18	73.20	ditto.	
	Burdwan ...	7.76	1.85	60.55	ditto.	
PURDWAR.	Cutwa ...	7.09	3.51	60.65	ditto.	
	Culna ...	3.09	3.11	60.52	ditto.	
	Bood-Bood ...	5.76	1.81	63.30	ditto.	
	Bancoorah ...	2.66	4.61	57.75	ditto.	
	Raneegunge ...	3.31	2.04	51.45	ditto.	
	Sooree ...	3.83	5.35	67.10	ditto.	
	Hooghly ...	4.60	1.40	70.99	ditto.	
	Serampore ...	4.37	1.98	49.84	ditto.	From 20th March.
	Jehanabad ...	2.21	1.62	60.26	ditto.	From 21st April.
	Hovrah ...	7.12	2.84	86.06	ditto.	
PURDWAR.	Midnapore ...	1.83	5.45	65.08	ditto.	
	Contai { Dy. Collr.'s Office ...	4.06	4.55	65.72	ditto.	
	{ Engr.'s Office ...	4.55	5.42	76.67	ditto.	
	Gurbetta ...	2.79	3.39	55.52	ditto.	From 6th February.
	Tumlook ...	0.98	4.39	59.66	ditto.	

**SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 27, 1871. 643**

DIVISIONS.	Stations.	Rainfall from 4th to 10th Sept. 1871.	Rainfall from 11th to 17th Sept. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur ...	1.20	1.76	52.59	17th Sept. 1871	
	Bongong ...	2.72	2.91	69.20	ditto.	
	Ranaghat ...	2.23	1.98	52.63	ditto.	
	Meherpore ...	3.01	4.54	56.05	ditto.	
	Chooadangah ...	7.30	4.10	74.85	ditto.	Not received 21st to 27th August.
	Kooshteah ...	6.17	3.63	74.48	ditto.	
	Jessore ...	2.22	1.62	75.84	ditto.	
	Rhoolnah ...	6.38	2.88	74.14	ditto.	From 16th February.
	Jenidah ...	3.26	3.65	80.66	ditto.	From 6th March, and not received 28th Aug. to 3rd Sept.
	Nurail ...	2.23	2.39	56.03	ditto.	From 3rd April.
	Magoorah ...	1.12	1.22	37.64	ditto.	ditto.
	Bagirhaut ...	3.64	4.71	74.52	ditto.	ditto.
	Saugor Island ...	3.80	6.50	84.90	ditto.	
	Calcutta ...	5.42	2.93	84.70	ditto.	
	Alipore { Jail ...	5.50	2.85	88.94	ditto.	
	{ Hospital ...	5.08	3.05	87.45	ditto.	
	Barrackpore ...	4.34	1.67	81.51	ditto.	
	Dum-Dum * ...	5.33	1.74	61.11	ditto.	
	Baraset ...	6.16	1.09	63.22	ditto.	
	Satkerah ...	1.60	1.95	67.73	ditto.	
DACCA.	Busseerhaut ...	2.10	5.04	69.20	ditto.	
	Diamond Harbour ...	3.93	4.40	77.42	ditto.	
	Barripore ...	3.24	3.53	79.91	ditto.	
	Dacca { Telegraph Office ...	1.81	1.79	78.48	ditto.	
	{ Jail ...	1.60	2.50	73.60	ditto.	
	Burrisaul ...	2.23	1.90	78.83	ditto.	
	Dowlat Khan ...	1.06	6.99	92.61	ditto.	
	Perozepore ...	4.05	4.02	84.22	ditto.	
	Madaripore ...	1.99	2.97	71.23	ditto.	
	Furteepore ...	5.25	2.77	85.57	ditto.	
	Goalundo ...	4.11	3.06	49.13	ditto.	From 5th June.
	Mymensing ...	1.64	3.49	97.30	ditto.	
	Jamalpore ...	0.45	1.32	68.29	ditto.	
CHITTAGONG.	Atteah ...	7.80	2.15	91.48	ditto.	
	Kishoregunge ...	1.42	8.05	94.44	ditto.	
	Sylhet ...	0.91	5.57	116.68	ditto.	
	Cachar ...	3.05	2.04	78.07	ditto.	
	Hylakandy ...	2.23	Not received	73.43	10th Sept. 1871	Not received 10th to 23rd July.
	Koyah ...	Not received	ditto	86.05	3rd Sept. 1871	Not received 31st July to 6th Aug.
	Chittagong { Telegraph Office ...	1.80	1.50	90.18	17th Sept. 1871.	
	{ Jail ...	1.57	1.59	93.45	ditto.	
	Cox's Bazar ...	1.46	Not received	145.97	10th Sept. 1871.	
	Rangamata Hill ...	Not received	ditto	78.22	27th Aug. 1871.	
COCH BHAM.	Noakhally ...	3.18	7.30	107.41	17th Sept. 1871.	
	Tippurah ...	0.95	1.15	86.87	ditto.	
	Brahmanbariah ...	3.50	1.83	95.45	ditto.	
	Akyab ...	2.60	9.80	175.70	ditto.	
	Buxa ...	2.31	8.86	150.47	ditto.	
	Gowalparah ...	0.52	Not received	78.93	10th Sept. 1871.	
	Dhoobree ...	0.20	ditto	54.96	ditto.	Not recorded 27th Feb. to 5th March.
ASSAM.	Tura (Garo Hills) ...	4.37	ditto	92.79	ditto.	
	Darjeeling { Telegraph Office ...	Not received	ditto	93.68	31st Aug. 1871.	
	{ Hospital ...	8.60	7.30	106.67	17th Sept. 1871.	
	Rungbee ...	Not received	Not received	117.04	31st July 1871.	
	Falacottah ...	ditto	ditto	43.97	6th Aug. 1871.	
	Julpigooree ...	3.05	2.04	84.87	17th Sept. 1871.	
	Boda ...	1.52	1.35	60.98	ditto.	
ASSAM.	Tezporo ...	0.29	Not received	71.57	10th Sept. 1871.	
	Nowgong ...	2.39	ditto	103.13	ditto.	
	Mungledye ...	0.04	ditto	60.64	ditto.	From 13th January.
	Burpettah ...	0.34	ditto	70.71	ditto.	
	Gowhaty ...	0.29	1.87	50.53	17th Sept. 1871.	
	Sebsaugor ...	0.45	Not received	105.15	10th Sept. 1871.	
	Jorehaut ...	0.12	ditto	81.84	ditto.	From 27th February.
	Golaghat ...	0.67	ditto	94.95	ditto.	
	Nazeerah ...	3.13	ditto	94.28	ditto.	
	Debrooghur ...	0.85	ditto	91.40	ditto.	
	Suddya ...	Not received	ditto	84.62	3rd Sept. 1871.	
	Shillong ...	1.29	ditto	58.00	10th Sept. 1871.	
	Cherrapoonjee ...	2.94	13.91	285.76	17th Sept. 1871	From 18th February.
	Jamooie ...	0.65	Not received	97.73	10th Sept. 1871.	
	Samooogoodting ...	Not received	ditto	44.17	31st Sept. 1871.	

HENRY F. BLANFORD,

*Meteorological Reporter to the Govt. of Bengal.*

CALCUTTA,  
The 23rd September 1871.

## Meteorological Telegraphic Report for the period 17th to 23rd September 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Sept.											
	17th	10	29.654	29.672	83	79.8	87	S S W	...	0.21	K	d
	16		29.570	29.588	84	82.5	93	S E	...	0.06	S	
	18th	10	29.661	29.679	84.0	82	91	...	...	...	K	
	16		29.570	29.588	80.4	79	93	E S E	...	0.18	...	o
	19th	10	29.695	29.713	85.5	81.5	83	S E	...	...	K	Scuds from S E
	16		29.585	29.583	85.1	81.4	85	S S E	...	...	K	t
	20th	10	29.744	29.762	86.0	81.3	81	S E	...	0.36	K	
	16		29.626	29.644	87.0	81.4	77	E by N	...	...	K	
	21st	10	29.744	29.762	87.2	82.2	79	S S E	...	...	K	
	16		29.604	29.622	84.7	82.0	73	E S E	...	...	S, K	
	22nd	10	29.698	29.716	85.2	80.5	81	S E	...	...	S	d
SAUGOR ISLAND.	16		29.592	29.610	81.0	79.5	93	...	...	0.23	...	o, d
	23rd	10	29.687	29.705	80.0	78.5	93	...	...	0.02	...	o
	16		29.600	29.608	82.1	80.6	93	...	...	0.20	...	o, scuds from E
	17th	10	29.675	29.681	85	82	87	S W	11.0*	0.10	N	o, u
	16		29.577	29.583	85	82	87	S	6.8*	...	N	o
	18th	10	29.683	29.689	85	81	83	E	11.0*	0.10	N	b, p, w
	16		29.573	29.579	86	82	83	S E	4.5*	0.10	N	b, u
	19th	10	29.697	29.703	87	82	79	E	...	...	N	b
	16		29.584	29.590	87	82	79	S S E	10.2*	...	N	b, u
	20th	10	29.755	29.761	86	82	83	S	2.2*	...	N	b
	16		29.649	29.655	84	82	91	N N W	6.7*	0.10	N	b, d, u
	21st	10	29.737	29.743	89	84	80	E N E	2.8*	...	N	b
CHITTAGONG.	16		29.623	29.629	84	82	91	E	4.2*	0.30	N	o, v, t, l
	22nd	10	29.691	29.697	85	83	91	S E	5.5*	0.20	N	o, p, w
	16		29.583	29.589	85	81	83	E N E	6.3*	0.10	N	b, u
	23rd	10	29.680	29.686	78	78	100	N W	4.9*	2.20	...	o, r, u
	16		29.508	29.514	82	81	95	E S E	8.3*	0.30	N	o, p
	17th	10	29.671	29.780	87	80	72	S	5.4*	...	CK, K	b
	16		29.572	29.681	86	80	75	S W	11.3*	...	CK, C	b
	18th	10	29.643	29.752	86	79	72	E	5.1*	...	C, CK	b
	16		29.642	29.652	84	80	83	S W	1.0*	...	K, KS	u, t
	19th	10	29.673	29.783	85	80	79	Caln	3.6*	...	CK, C	b
	16		29.559	29.668	86	80	75	S W	7.4*	...	K, CK	b
	20th	10	29.723	29.833	83	79	83	E	3.3*	0.10	K, KS	b, u
MADRAS.	16		29.569	29.678	86	79	72	N E	3.4*	...	C	b
	21st	10	29.701	29.812	81	79	91	E S E	3.6*	2.50	KS	u, v
	16		29.587	29.698	81	79	91	S W	3.6*	...	KS	b
	22nd	10	29.696	29.806	85	79	75	E	3.4*	...	CK, C	b
	16		29.592	29.704	77	76	95	E S E	6.3*	0.90	N	d, u, g
	23rd	10	29.735	29.845	83	78	78	E S E	4.1*	0.40	K, CK	
	16		29.673	29.784	79	77	90	S E	9.3*	0.70	KS, N	g
	16th	10	29.807	29.837	89	78	59	S by E	11*	0.63	...	bc
	16		29.705	29.735	85	77	68	W by S	2*	...	...	bc
	17th	10	29.789	29.819	84	77	71	S	12*	1.32	...	o
	16		29.688	29.718	77	72	77	N W	11*	0.17	...	bc
	18th	10	29.813	29.843	81	75	74	S by E	9*	1.16	...	o
CUTTACK.	16		29.712	29.742	90	77	53	S W	2*	...	...	bc
	19th	10	29.822	29.852	87	75	55	S	11*	...	...	b
	16		29.710	29.740	92	77	48	S by E	8*	...	...	bc
	20th	10	29.824	29.854	88	75	52	S by E	13*	...	...	b
	16		29.717	29.747	94	76	40	S S E	9*	...	...	bc
	21st	10	29.802	29.832	89	75	49	S by E	13*	...	...	bc
	16		29.690	29.720	89	75	49	S by E	9*	...	...	bc
	22nd	10	29.795	29.825	85	74	57	S S E	12*	...	...	o
	16		29.666	29.696	89	75	49	S by E	4*	...	...	bc
	16th	10	29.629	29.711	86	79	72	W S W	0.6*	...	KS, N	cloudy
	16		29.547	29.630	82	78	82	S W	0.6*	...	N	o
	17th	10	29.605	29.688	82	79	87	S W	0.2*	0.70	N, C	r, g
AKYAB.	16		29.530	29.612	86	82	83	S S W	0.3*	...	N, KS	cloudy
	18th	10	29.603	29.685	84	79	79	N	0.1*	...	C, KS	cloudy
	16		29.530	29.612	88	81	72	N	0.2*	...	N	
	19th	10	29.634	29.716	83	79	83	E	0.1*	0.40	N	u
	16		29.533	29.615	85	79	75	N E	1.0*	...	KS	cloudy
	20th	10	29.672	29.754	87	82	79	E N E	...	...	KS	fair
	16		29.583	29.666	81	79	91	E S E	0.4*	...	N	
	21st	10	29.669	29.751	86	80	75	N E	...	0.80	KS, C	
	16		29.545	29.627	89	81	69	E N E	0.4*	...	K, S, N	fair
	22nd	10	29.619	29.701	87	81	76	N E	0.1*	...	CK, KS	fair
	16		29.510	29.592	84	79	79	E N E	0.5*	...	N, C	
	17th	10	29.765	29.780	83	79	83	S S E	1	0.90	K, CK	b
	16		29.643	29.658	84	80	83	S S W	1	...	K	b
	18th	10	29.725	29.740	83	79	83	S S E	1	0.20	CS, K	b
	16		29.625	29.640	83	79	83	S	1	...	CS, K	b
	19th	10	29.743	29.758	84	79	79	S E	1	0.10	CS, K	u, b
	16		29.625	29.640	83	77	75	S S W	1	...	CS	b
	20th	10	29.772	29.787	84	80	83	S E	1	...	CS, K	b
	16		29.645	29.660	83	79	83	S S W	1	...	C, CS, K	g
	21st	10	29.766	29.781	80	77	86	E	1	2.50	K, KS, CS	g
	16		29.668	29.683	82	78	82	S	1	...	K, KS, S	g
	22nd	10	29.750	29.765	81	78	86	S S E	2	2.70	K, KS, N	r, u
	16		29.690	29.705	81	78	86	S S W	2	0.30	K, KS	g
	23rd	10	29.840	29.855	78	77	95	S	2	3.90	N	r
	16		29.768	29.781	82	78	82	S	2	0.60	K, KS, CS	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 23rd September 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.



Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 1st TO 15th AUGUST 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.	BAROMETER.										THERMOMETER.										HUMIDITY.				RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Height above sea-level.	MEAN OF					Range.	Mean.	SOLAR RADIATION.				Mean of max.	Mean daily range.	Mean of min.	Mean.	MEAN OF				Highest Max.	Absolute range.	Lowest Min.	MEAN OF				In inches.	No. of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		4 hours.	10 hours.	16 hours.	22 hours.	Day.			Max.	Min.	Day.	Day.					4 hours.	10 hours.	16 hours.	22 hours.				Day.	Day.	4 hours.	10 hours.			16 hours.	22 hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Port Blair	110	29.727	29.790	29.864	...	.126	113.2	13-14th	132.0	...	10th	...	103.0	...	88.8	...	89.9	86.3	...	89.2	86.6	88.3	85.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 25th September 1871.

*Mean Pressures and Temperatures of the preceding Table reduced to Sea-Level, with Mean Wind Directions.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.	
			Proportional prevalence Max.=100.	Mean direction.
Port Blair	...	...	...	...
Madras	29.754	88.9	63	S 41° W
Vizagapatam	29.638	86.4	77	S 81° W
Akyab	29.654	81.0	83	S 14° W
False Point	29.618	82.8	78	S 48° W
Cuttack	29.604	81.8	80	S 69° W
Saugor Island	29.538	83.7	36	S 62° W
Chittagong	29.634	81.8	69	S 55° E
Calcutta	29.539	82.9	50	S 30° E
Jessore	29.558	83.6	68	S 39° E
Dacca	29.582	83.9	82	S 42° E
Cachar	29.605	83.2	17	S
Hazareebangh	29.546	82.3	22	N 40° W
Berhampore	29.553	85.0	78	N 52° E
Gya	.....	84.2	7	S 45° E
Patna	29.567	84.3	51	S 75° E
Monghyr	29.539	84.5	31	E
Darjeeling	29.593	84.3	28	S 15° E
Gowalparah	29.566	84.3	19	S 34° E
Shillong	Not received	...	...	...
Benares	29.568	84.4	4	S 26° W
Roorkee	29.570	84.1	17	S 56° E

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17 on the preceding page by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous table.

CALCUTTA,  
The 25th September 1871.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st September 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
Sept.	15th	Inches. 29.600	86.2	78.2	120.0	82.2	80.0	78.5	0.89	S by E & S	lb ...	Miles. 147.0	In. 0.07	●	Overcast and stratus. Slight rain at 1, 2, 3, 4 A.M., 6½, and 10½ P.M.
	16th	641	87.6	79.5	134.0	83.1	80.6	78.8	.87	S & S by E	...	216.4	0.15	...	Cumuli and clear. Slight rain at 4, 10 A.M., 1, and 3 P.M.
	17th	614	85.0	79.5	...	82.1	80.7	79.7	.93	S & S S E	...	164.3	0.27	...	Overcast and stratus. Slight rain at 2, 10, 12 A.M., and 1½ P.M.
	18th	622	88.4	79.3	147.8	81.5	80.0	78.9	.92	S S E & S by E	1.4	93.2	0.18	...	Clear, cumuli, and overcast. Thunder at 1 P.M. Slight rain at 10 A.M., 1, 2, and 3 P.M.
	19th	640	88.7	78.6	151.2	82.6	80.2	78.5	.88	S by E, S E & S S E	...	101.5	0.36	...	Clear and cumuli. Thunder at 4 and 7 P.M. Lightning from 7 to 11 P.M. Rain from 6½ to 7½ P.M.
	20th	693	88.8	80.2	153.0	83.7	80.7	78.6	.85	S S E & S E	...	103.9	...	...	Cirri and cumuli. Lightning at midnight and 7 P.M.
	21st	681	89.9	80.8	144.0	84.3	80.8	78.3	.83	S S E & S E	...	78.8	...	...	Clear, cirri and cumuli and stratus.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	11.7
The max. temperature during the past seven days	...	89.9
The max. temperature during the corresponding period of the past year	...	92.0
The mean humidity during the past seven days	...	0.88
The mean humidity during the corresponding period of the past year	...	0.81
Inches.		
The total fall of rain from 15th to 21st	... { by lower rain gauge	1.03
	... { by anemometer gauge	0.96
Ditto ditto average of seventeen previous years	...	3.09
Ditto between the 1st January and the 21st September	...	85.24
Ditto ditto ditto ditto, average of seventeen previous years...	...	60.07

CALCUTTA,  
The 25th September 1871.

GOPEENATH SEN,  
In charge of the Observatory.



**Abstract of the Results of the Hourly Meteorological Observations taken  
at the Surveyor-General's Office, Calcutta, in the month of  
August 1871.**

LATITUDE 22° 33' 1" north. Longitude 88° 20' 34" east. Height of the cistern of the standard barometer above the sea-level, 18.11 feet.

**MONTHLY RESULTS.**

			Inches.
Mean height of the barometer for the month	...	...	29.603
Max. height of the barometer occurred at 10 A.M. on the 31st	...	...	29.859
Min. height of the barometer occurred at 4 P.M. on the 8th	...	...	29.359
Extreme range of the barometer during the month	...	...	0.500
Mean of the daily max. pressures	...	...	29.654
Ditto ditto min. ditto	...	...	29.545
Mean daily range of the barometer during the month	...	...	0.109
<hr/>			
Mean dry bulb thermometer for the month	...	...	82.9
Max. temperature occurred at 2 P.M. on the 11th	...	...	91.3
Min. temperature occurred at 5 & 6 A.M. on the 1st	...	...	77.5
Extreme range of the temperature during the month	...	...	13.8
Mean of the daily max. temperature	...	...	87.3
Ditto ditto min. ditto	...	...	80.0
Mean daily range of the temperature during the month	...	...	7.3
<hr/>			
Mean wet bulb thermometer for the month	...	...	80.5
Mean dry bulb thermometer above mean wet bulb thermometer	...	...	2.4
Computed mean dew-point for the month	...	...	78.8
Mean dry bulb thermometer above computed mean dew-point	...	...	4.1
<hr/>			
Mean elastic force of vapour for the month	...	...	0.964
<hr/>			
Mean weight of vapour for the month	...	...	10.36
Additional weight of vapour required for complete saturation	...	...	1.43
Mean degree of humidity for the month, complete saturation being unity	...	...	0.88
<hr/>			
Mean max. solar radiation thermometer for the month	...	...	140.6
<hr/>			
Rained 28 days,—max. fall of rain during 24 hours	...	...	2.69
Total amount of rain during the month	...	...	12.11
Total amount of rain indicated by the gauge* attached to the anemometer during the month	...	...	10.68
Prevailing direction of the wind	...	...	S S W & S W.

\* Height, 70 feet 10 inches above ground.

GOPEENAUTH SEN,  
In charge of the Observatory.

The 25th September 1871.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 9th September 1871, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.				Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	86,672	93,999 5 4	8,615 15 7	454,571 20	2,34,809 2 3	21,524 3 5	30,139 19 0	
Or per mile of railway .....	73 7 4	6 14 8	6 14 8	.....	183 8 3	16 16 5	23 11 1	
For previous 9 weeks of half-year	781,147	9,11,638 2 2	83,566 16 7	3,546,604 20	20,86,193 5 9	191,234 7 10	274,801 4 5	
Total for 10 weeks ...	867,819	10,05,628 7 6	92,182 12 2	4,001,176 0	23,21,002 8 0	212,758 11 3	304,941 3 5	
COMPARISON.								
Total for corresponding week of previous year ...	91,334	1,20,635 4 5	11,062 16 4	437,589 0	3,14,089 1 4	28,791 10 0	39,854 6 4	
Per mile of railway corresponding week of previous year .....	.....	106 10 7	9 15 6	.....	277 9 4	25 8 11	35 4 5	
Total to corresponding date of previous year ...	899,511½	11,36,936 10 10	104,219 3 11	4,843,874 30	33,89,937 8 6	310,744 5 6	414,963 9 5	

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 9th September 1871, on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,284	8,180 11 0	749 17 11	36,117 10	9,373 3 3	859 4 3	1,609 2 2
Or per mile of railway ...	.....	36 11 0	3 7 3	.....	42 0 6	3 17 1	7 4 4
For previous 9 weeks of half-year...	31,470½	75,216 10 10	6,804 17 3	320,074 30	78,632 11 9	7,153 0 0	14,047 17 3
Total for 10 weeks ...	34,754½	83,397 5 10	7,644 15 2	356,192 0	87,405 15 0	8,012 4 3	15,656 19 5
COMPARISON.							
Total for corresponding week of previous year ...	3,405½	9,908 8 0	908 5 7	15,080 10	5,702 3 8	522 14 1	1,430 19 8
Per mile of railway corresponding week of previous year ...	.....	44 6 11	4 1 5	.....	25 9 2	2 6 11	6 8 4
Total to corresponding date of previous year ...	33,282½	85,317 6 9	7,820 15 3	167,099 30	53,018 15 2	4,860 1 5	12,680 16 8

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 9th September 1871, on 156½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	18,146½	8,354 11 6	765 17 0	25,877 9½	3,250 11 1	297 19 8	1,063 16 8
Or per mile of railway ...	116	53 6 2	4 17 10	165 0	20 12 4	1 18 1	6 15 11
For previous 10 weeks of half-year	247,319	1,20,230 15 4	11,846 3 5	1,097,652 12	4,10,783 4 10	37,655 2 7	49,501 6 0
Total for 11 weeks ...	265,465½	1,37,585 10 10	12,612 0 5	1,123,529 21½	4,14,033 15 11	37,953 2 3	50,565 2 8
COMPARISON.							
Total for corresponding week of previous year ...	20,380½	10,059 5 9	922 2 2	98,047 22	26,322 6 11	2,412 17 9	3,334 19 11
Per mile of railway corresponding week of previous year ...	180	88 13 2	8 2 10	866 0	232 6 10	2 16 2	29 9 0
Total to corresponding date of previous year ...	244,025½	1,22,673 3 5	11,245 1 0	1,082,233 30	2,15,963 0 1	19,796 12 3	31,041 13 3

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 9th September 1871, on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,940	587 12 9	58 15 7	10,595 20	324 10 0	32 9 3	91 4 10
Or per mile of railway ...	141	20 15 11	2 2 0	378 0	11 9 6	1 3 2	3 5 2
For previous 23 weeks of half-year	137,895	25,130 12 3	2,513 1 6	229,779 30	6,840 0 0	684 18 0	3,197 19 6
Total for 24 weeks ...	141,835	25,718 9 0	2,571 17 1	240,375 10	7,173 10 0	717 7 3	3,289 4 4
COMPARISON.							
Total for corresponding week of previous year ...	4,477	787 2 0	78 14 3	7,173 30	196 3 6	19 12 5	98 6 8
Per mile of railway corresponding week of previous year ...	160	28 1 9	2 16 3	256 0	7 0 1	0 11 1	3 10 3
Total to corresponding date of previous year ...	127,631½	21,857 2 0	2,185 14 3	235,591 34	8,092 13 3	809 5 8	2,904 19 11

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Town of Calcutta.—September 27, 1871.





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, OCTOBER 4, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### The Annual Administration Reports of the several Municipalities of the Patna Division for the year 1870-71.

From R. P. JENKINS, Esq., Commissioner of the Patna Division, to the Officiating Secretary to the Government of Bengal, Judicial Department,—(No. 314, dated Bankipore, the 13th September 1871.)

I HAVE the honor to forward herewith the annual administration reports, together with statements of receipts and disbursements, of the several municipalities in this division for the year 1870-71.

2. The delay in the submission of the report was owing to the non-receipt of the Arrah report until the end of August 1871.

3. The Municipal Act was not extended to any place during the year, and the number of municipalities is the same as in the previous year, viz,—

- |             |                  |
|-------------|------------------|
| 1. Patna.   | 4. Arrah.        |
| 2. Gya.     | 5. Mozufferpore. |
| 3. Chuprah. | 6. Durbhangah.   |

The annexed statement will show at a glance the financial results of the several municipalities for the year under report:—

	Balance on 1st April 1870.	Receipts during the year.	Total.	Total charges during the year.	Balance.
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
1. Patna	60,065 12 5	*74,157 9 0	1,34,225 5 5	1,07,763 0 0	26,460 5 5
2. Gya	11,590 2 4	28,036 12 11	39,626 15 3	25,806 1 1	13,820 14 2
3. Chuprah	263 5 8	31,885 1 4	32,148 7 0	31,857 8 2	290 14 10
4. Arrah	1,859 9 2	12,151 6 6	14,010 15 8	12,837 4 5	1,173 11 3
5. Mozufferpore	7,343 10 7	24,964 5 6	32,308 0 1	27,722 11 5	4,585 4 8
6. Durbhangah	178 10 7	13,876 1 9	14,054 12 4	12,490 11 2	1,564 1 2

\* This includes Rs. 37,109-11-9, the proceeds of the confiscated Wahabee estates.

4. The Patna municipality propose to spend the large balance in hand in widening the streets.

5. In Gya the surplus will be devoted to the improvement of the drainage of the town.

6. The expenditure incurred by the several municipalities does not call for any special remarks, save that the charge on account of police is extremely heavy in all the districts except Sarun, as will appear from the following figures:—

*Total Cost on account of Police.*

In Patna	... Rs. 25,323, or a third of the amount of receipts.
„ Gya	... „ 14,000, or half the amount of receipts.
„ Arrah	... „ 5,300, or nearly half the amount of receipts.
„ Mozufferpore	... „ 6,631, or a fourth the amount of receipts.
„ Durbhangah	... „ 7,660, or more than half the amount of receipts.
„ Chuprah	... „ 8,500, or less than a fourth the amount of receipts.

7. The chairman of the Gya municipality complains of the heavy cost under this head, and his remarks are, I think, worthy of consideration.

The police authorities should invariably, I think, consult the chairman and magistrate of the district regarding the requirements of each town.

8. In Patna an extensive market has been built by the municipality at a large outlay; a sum amounting to Rs. 33,000 was also spent by that municipality in the construction and repairs of roads.

9. The Chuprah municipality borrowed a sum of Rs. 4,700 from the funds of the town committee in his district without the sanction or cognizance of this office. This sum, though shown in the debit side, has, I observe, not been credited to the accounts. An explanation has been called for from the magistrate.

10. In conclusion, I beg to state that the several municipalities have, on the whole, conducted their affairs satisfactorily and carefully.

From A. C. MANGLES, Esq., Chairman, Municipal Commissioners, to the Commissioner of Patna,—(No. 13, dated Bankipore, the 1st May 1871.)

WITH reference to Government letter No. 2441 of the 27th April 1868, I have the honor to submit, in duplicate, my administration report of the Patna city municipality for the official year 1870-71.

*Committee.*—There has not been any noteworthy change in the constitution of the committee since my last report, except that the municipality laboured under singular disadvantages for the greater portion of the year in not having a vice-chairman or a permanent civil surgeon.

*Meetings.*—The committee met regularly twice a month all round the year, as prescribed in section 17 of Act III of 1864, for the disposal of monthly accounts and other miscellaneous business.

*Cases.*—A change was however considered necessary for the disposal of cases of breach of municipal laws and by-laws, and the commissioners met thrice in the week, instead of twice as formerly, to dispose of them. A tabular statement showing their proceedings during the year under report is herewith annexed for easy reference.

Names of municipal commissioners composing a meeting for trial of cases.	Last year's balance.	No. instituted during the year.	Total.	No. disposed of this year.	No. remaining on file.	Amount of fine imposed.
						Rs. As. P.
Chairman ...	1	11	12	12	...	2 6 0
Vice-chairman ...	...	4	4	4	...	5 0 0
District superintendent of police ...	12	37	49	45	4	19 0 0
Rai Sohan Lall and Sham Sool Hoda...	9	100	109	97	12	73 14 0
„ Sookaj Bahadoor and Joykissen ...	33	168	201	155	46	214 5 0
„ Baijnath Pershad and Modun	...	...	...	...	...	...
„ Mohun Lall ...	13	205	218	191	27	163 13 0
„ Doorga Pershad and Izharudin ...	13	207	220	182	38	180 12 0
	81	732	813	686	127	658 2 0

The total number of municipal cases instituted during the year is 732, and the number disposed of is 686; whilst last year 465 cases were instituted, and 506, including previous balance, disposed of,—a fact showing that conservancy and public comfort were last year better attended to than formerly.

*Assessment.*—The maximum rate of 7½ per cent. continued in force throughout the year under report; but the assessment having been made in 1865, some six years ago, the municipal commissioners were of opinion that it should be revised, which was accordingly done, and resulted in an increase of Rs. 322-15 over the amount of the previous tax, 216 new houses having been brought under assessment.

*Collection.*—A change in the system of the collection of municipal tax was also tried as an experiment. The municipal commissioners being of opinion that the naib bukshees or tax collectors having only furnished as security a deposit of Rs. 300, it was dangerous to entrust them with bills for large amounts, it was resolved that the collecting staff should hold office in five distinct places on specified dates, previous intimation thereof being given to the people by *ishkhar* and by beat of drum; the head collecting officer and two mohurirs being stationed at the different places on the prescribed dates to receive the money and to grant receipts for the same to the parties. Whatever was not collected in this manner was made over to the daffadars for realization, thus bringing the chance of defalcation within very narrow limits. This system bids fair to succeed. The annexed statement shows the amounts yet outstanding.

*Establishment.*—The collecting establishment has cost Rs. 2,464, whilst the amount realized from house tax was Rs. 51,289-6, showing a percentage of Rs. 4-8 nearly.

*Pounds.*—The pounds were very carefully looked after, and the result obtained is furnished in the accompanying comparative statement:—

Official year.	Receipts.			Expenditure.			Increase.			Decrease.		
	Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.
1869-70	...	429	10 3	444	4 9							
1870-71	...	478	13 9	455	10 6	23	3 3			14	10 6	

showing that during the year under report the receipts were in excess of the expenditure, though, I am sorry to say, very little; still, small as it is, it is an improvement on last year, when there was a loss.

*Civil.*—The municipality was sued in the civil court in 24 cases; in 19 the municipality however has won.

*Stamps.*—During the year under report stamp fee under Act XVIII of 1869, schedule 1, was strictly enforced, showing a net profit to Government of Rs. 399 2-0. The municipal commissioners beg to represent the fact of a double stamp fee levied for the same amount, as in the following instance. Suppose Rs. 100 are drawn from the bank for payment of salary. The bank in the first instance charges one anna stamp fee for the cheque. The amount is then paid to A, who is also subjected to a further stamp duty of the same amount, so that for the same sum the municipality suffers in the first instance, and then the employé. This, the municipal commissioners are of opinion, is opposed to the tenor of the Act. They pray therefore that Government will be pleased to exempt them from the payment of the anna on each cheque drawn by them on the bank, on the condition of their securing to Government the levy of the stamp fee due from different parties to whom they may have occasion to pay.

*Sanitation.*—A new road from the chowk to the railway station for traffic in fair weather has been opened in the city; but it is to be regretted that Government has not yet paid its moiety to bridge and metal the same. Nevertheless the clearing away of the houses has helped to furnish the inhabitants with pure air to breathe. The question as to the best means for procuring good drinking water for the city was several times under discussion, but all proposals were abandoned on account of the large expenditure which would have to be incurred, and which the funds at our disposal would not admit of. A new market has been built in Patna for the public, which appears to be a decided success. This also has in a great measure improved the sanitary condition of the city, by supplying the want of an open airy place much needed in Patna.

*Improvements.*—To open new roads, and to widen the existing lanes passing through densely inhabited localities, are, in the opinion of the municipal commissioners, of primary importance; but their cash balance of Rs. 26,460-5-3 is quite inadequate to enable them to undertake any work of magnitude, though in Patna there is ample room for improvement.

*Watering.*—The whole length of the main road is now watered once daily, in the afternoon. This is not sufficient, but it is better than nothing; and I see no means of bettering the present state of things so long as our supply of water is small and procurable at so great a depth as it is at present. Many of the existing wells also dry up before the end of the hot weather, owing to the river having retired to so great a distance from the city.

*Conservancy.*—In the civil station conservancy has been satisfactorily attended to, but in the city proper it is not so good as could be wished. There are some serious drawbacks to the proper conservancy of this place. Most of the lanes in the city are so narrow that they will not admit of a scavenger's cart passing down them. To remedy this evil as much as possible the municipal commissioners have lately constructed nineteen single bullock carts, which have done a great deal of good. They are economical in both construction and maintenance; and as the number of these carts will go on increasing, they hope that in the course of a few years a change for the better in this respect will be effected.

*Roads.*—During the past year the municipal commissioners have paid great attention to the metalling of the roads, and with fair very results. In the early part of the year some difficulty having been experienced in procuring kunker to meet all requirements, and Soane pebbles being hard to obtain in sufficient quantities, it was resolved to try if stone prepared



from Luckheeseraï would take their place. Some four miles of road have been metalled with this stone, and, as far as we can judge at present, the experiment seems to be a successful one, and it is our intention to carry our experiment with it still further. The cost of the stone is a good deal in excess of either Soane pebbles or kunker; but we hope that it is much more durable, and by its durability it will repay us for the first outlay. It is difficult to obtain kunker free from dirt, and it is hard to make a decent road of Soane pebbles alone, it being difficult to make them bind.

Lighting has been introduced from the commencement of the year under report, and has given great satisfaction to all. The whole of the main street from the golah to the Patna railway station is lighted, there being some 211 lamps; and during the current year it is proposed to erect some eighty more along the road passing through the Sadikpore Bazaar, and so along the new line road leading from the chowk to the railway station, thus making two good lines for traffic both by day and night.

On the whole, I am of opinion that the commissioners may congratulate themselves on having had another successful year, and I trust that after a perusal of this report you will agree with me in so thinking.

*Statement showing the amount outstanding on the 1st April 1871.*

	Rs.	As.	P.
Under investigation	488	15	0
„ warrant collections	427	15	5
Due from other districts	89	14	0
Under naib bukshees	9	11	7
From European residents	57	14	3
In civil court cases, mostly irrecoverable	331	0	0
With police	11	12	0
Total	1,417	2	3
Amount already realized up to 18th April 1871	268	7	0
Total Rs.	1,685	9	3

PATNA CITY MUNICIPALITY.

*Municipal Improvement Fund under Act III. (B.C.) of 1864 for the year 1870-71.*

RECEIPTS.	Amount.	Rs.	As.	P.	Rs.	As.	P.
To balance in hand as per last year's account, viz. —							
„ balance on account house-rate collections, &c.	22,896	0	8				
„ balance on account of the proceeds of the confiscated estate of the Patna Wahabees	37,169	11	9		60,065	12	5
„ amount collected on account of the rate of $7\frac{1}{2}$ per cent. on the annual value of houses, buildings, and lands, &c.					51,289	6	0
„ amount collected on account of fines, &c., under Act III. of 1864					767	9	6
„ amount collected on account of tolls on town ferries, as per Government order No. 4768, dated 5th August 1865	18,186	4	10				
„ proceeds of cattle pounds in the city under Act III. of 1856	478	13	9		18,665	2	7
Amount collected on account of miscellaneous receipts, viz. —							
Fees on music processions	1,800	0	0				
Rent of land let out for grazing purposes, &c.	493	10	3				
Fees on licenses	22	0	0				
Miscellaneous, i.e. sale of sweepings, &c.	109	14	6				
Sale proceeds of vegetables, &c., of the municipal garden	21	2	8				
Refund of advance made for the purchase of chetanees	150	0	0		2,596	11	5
Proceeds of the confiscated estate of the Patna Wahabees credited during the year	838	11	6		833	11	6
					1,34,223	5	5

DISBURSEMENTS.	Amount.	Rs.	As.	P.	Rs.	As.	P.
Charges incurred in the collection of $7\frac{1}{2}$ per cent. on the annual value of houses, lands, &c., from March 1870 to February 1871					2,464	0	0
Conservancy charges from March 1870 to February 1871					7,833	11	11
Amount paid to the district treasury for the maintenance of police under section 34, Act III. of 1864, from March 1870 to February 1871					25,323	11	4
Compensation paid for lands and houses taken up for public purposes, viz. — widening the Durga road					496	15	0

		Rs. As. P.	Rs. As. P.
Amount expended in pucca repairs to following roads—			
Remetalling the Bhicknapaharee road	...	8,325 14 0	
" the Goriantolah road	...	1,893 2 0	
" the Bankipore road	...	2,908 10 9	
" the road round the Race Course	...	996 5 6	
" the Rumnah road	...	471 3 9	
" the Durgapore road	...	169 10 6	
" the Suckreegally road	...	5,019 3 3	
" the road leading to the Begumpore railway station	...	1,600 8 3	
" the Mooradpore road	...	659 6 6	
" the Pusson Mistry's lane	...	923 2 0	
" the Andra road	...	520 8 6	
" the road south of golah	...	1,238 5 3	
" the road east of Mr. Hardy's bungalow	...	412 14 3	
" the road west of committee	...	575 9 3	
Pucca repairs to road within kutcherry compound	...	57 18 0	
" to Subjeebag road	...	65 1 0	
" to road west of rosy bower	...	48 4 3	
		25,883 12 0	
Amount expended in cutcha repairs to following roads:—			
Repairs to Syedpore road	...	25 6 0	
" to Durga road	...	29 5 0	
" to Dearah roads from cutcherry compound to Hazeepore	...	585 5 3	
" " from dak bungalow to Pyblejah ghat	...	77 6 6	
" " from kutchery to Pyblejah ghat	...	93 15 3	
" " passing through Mohuntolah	...	38 6 0	
" " from Koylah ghat to river side	...	55 4 0	
Constructing a temporary bridge over Mahee Nuddee	...	294 14 3	
		1,198 14 3	
Amount expended in repairs to following bridges and culverts:—			
Repairs to bridges within Race Course	...	26 10 6	
Constructing a culvert at Meetapore	...	42 2 3	
" " at Suckreegally	...	44 6 3	
" " on the Subjeebag road	...	165 0 0	
Repairs to bridges on the Goriantolah road	...	37 1 6	
		317 4 6	
Amount expended on account of the following miscellaneous works:—			
Repairs to fences of trees	...	262 1 6	
Cost of instruments, &c.	...	322 4 0	
Miscellaneous works	...	62 2 9	
Amount paid to the Magistrate of Sarun on account conservancy arrangements for the Soanepore fair	...	250 0 0	
		896 8 3	
Amount expended in repairs to lanes and drains in the city			
Road establishment from March 1870 to February 1871	...	834 4 6	
Amount expended on account of pound establishment of the city from March 1870 to February 1871	...	1,234 0 0	30,364 11 6
Amount expended for watering the main road of the city for seven months of the year	...	...	455 10 6
Amount expended for lighting the streets	...	...	5,061 6 9
Establishment of the office of the municipal commissioners constituted under Act III. of 1864, from March 1870 to February 1871	...	...	3,710 15 9
Contingencies of the office of municipal commissioners constituted under Act III. of 1864—	...	...	2,620 0 0
Printing charges	...	421 4 6	
Stationery charges	...	181 8 9	
House rent, &c.	...	805 5 8	
Refund of house rate collections realized in excess	...	25 6 0	
Advance paid for the purchase of chetanees for Soanepore fair	...	150 0 0	1,583 8 11
MISCELLANEOUS CHARGES, viz.—			
Firing a midday gun	...	181 0 0	
Repairs to the latrine at Peerbahore	...	13 12 3	194 12 3
Cost of vaccine establishment from March 1870 to February 1871	...	...	663 8 2
Amount paid on account of compensation for lands and houses, &c., for a bazaar at Sadickpore	...	6,983 5 6	
Paid to Messrs. Thomson, Fox and Co. for constructing the bazaar	...	20,000 0 0	
Paid to the collector on account of revenue of the Sadickpore Mehal	...	6 10 5	26,989 15 11
By balance in the branch Bank of Bengal on the 1st April 1871	...	...	26,460 5 5
Grand total	...	...	1,34,223 5 5

A. C. MANGLES,  
Chairman of the Municipal Commissioners.

From A. V. PALMER, Esq., Chairman, Gya Municipality, to the Commissioner of Patna,—  
(No. 6LF, dated Gya, the 31st May 1871.)

I HAVE the honor to submit the accompanying financial statement of the receipts and expenditure in the Gya municipality for the year 1870-71. There have been no works executed that call for special remark.

During the year under review the roads of the municipality, aggregating about twenty miles in length, have been maintained in good order.

One bridge has been constructed, and two large tanks emptied and cleaned.

The conservancy of the municipality has been looked after as well as circumstances would admit of. All the main sewers and drains have been opened and cleaned, but the chief present requirement is a fresh system of drainage.

The municipality is well situated with a fall towards the east, on which side it is bounded by the river Titalgao, and the defect of the present drainage is like that in all towns. The drains have been made very deep, and on no recognized or consistent principle. The result obviously is a quantity of unwholesome stagnant water every here and there, which will not be removed till the next flush of water raises its level.

With a view to remedy this evil a special committee of certain members of the municipal committee is now sitting. Their report has not as yet been presented to the Commissioner.

I may add that individually I do not anticipate any practical good will result from this committee. What appears to me to be required is, first, a careful survey of the entire municipality, by which the levels may be accurately determined; and this being done, secondly, to fill up the existing drains with dry earth, and to substitute instead in each street a simple surface drainage.

To carry out this, first the services of an experienced engineer would be required, and the work would doubtless be costly; but looking to the ultimate advantage that would be gained, I am satisfied that the money would be well spent. There is, however, at present great difficulty in obtaining the services of a competent engineer.

I may add that since 1869 money has been amassed for this project, and I trust that before long this work may be taken in hand.

I would call attention of Government to the very heavy charge the municipality have to meet on account of police.

The late district superintendent, Captain Daunt, and the present district superintendent, Mr. Bamber, have both been applied to with a view to the reduction of the municipal strength of the force, which in the opinion of the commissioners was unnecessarily large, and which, I regret to say, afforded very little protection to property.

Mr. Bamber has for the current year proposed a revision of the force as per margin, which has been concurred in by the commissioners as affording a partial relief, but this force, I am of opinion, could with advantage be further reduced.

I am happy to be able to record that the native municipal committee take an interest in the municipality, and during the year under review have been, as a rule, regular in their attendance at the meetings.

Although no special works have been undertaken, I venture to hope that the proceedings of the municipal committee will be considered satisfactory. The roads have been kept in thorough repair, the town clean; sanitary arrangements promptly attended to. Notwithstanding the periodical influx of hordes of pilgrims, no epidemic has occurred. The entire demand for the year has been collected, and the commissioners, were it not for the proposed drainage requirements, would have been able to reduce the rate of tax for the current year.

*Annual return of receipts and disbursements of the Gya municipality, submitted by the Municipal Commissioners for the year 1870-71.*

*Place of operation.*—Towns of Gya and Sahebgunge.

*Nature of fund or collection.*—Tax on houses, surplus receipts of the pound at Gya, and rent of chowk-shop and others—

RECEIPTS.

			Rs.	As.	P.
Balance outstanding on 1st April 1870	...	...	1,903	1	0
Demand of the year	...	...	25,934	14	11
Total demand	...	...	27,837	15	11
Remissions	...	...	164	9	10
Collections	...	...	26,711	8	3
Other receipts	...	...	1,325	4	8*
Balance in hand on the 1st April 1870	...	...	11,590	2	4
Total of columns 8 to 10	...	...	39,626	15	3
Outstanding on 31st March 1871	...	...	961	13	10†

\* Includes the pound receipts, which amount to Rs. 305-5-9.

† The balance outstanding on 31st March 1871 has been collected and remitted to the treasury during April 1871.



DISBURSEMENTS.

	Rs.	As.	P.
Wages and establishment	2,401	12	8
Police	14,030	0	2
Conservancy	2,549	8	10
Roads and improvements by local establishment	5,693	0	4
Otherwise spent	1,131	11	1
Balance in hand on 31st March 1871	13,820	14	2

GYA MUNICIPALITY,

The 31st May 1871.

A. V. PALMER, Chairman.

From C. B. GARRET, Esq., Chairman of the Chuprah Municipality, to E. DRUMMOND, Esq.,  
Officiating Commissioner of Patna,—(No. 14, dated Chuprah, the 26th April 1871.)

I HAVE the honor to submit the following report of the Chuprah Municipality during the past year.

*Income.*—The gross receipts of the municipality during last year are Rs. 32,148-7, out of which sum Rs. 263-5-8 represented the balance from the previous year. The gross expenditure on all heads was Rs. 31,857-8-2. Of the house tax for the year ending 31st March 1871, Rs. 1,900-4-5-10, or 11½ per cent. remained uncollected at the close of the year.

The small amount of our income as compared with the large extent of the municipality makes it impossible for us to do anything but works of ordinary maintenance. We are unable to attempt any considerable undertakings, or anything like conservancy on a large scale.

*Roads.*—During the year the only road that was repaired was the Sahebgunge main road. This was found an expensive work, as owing to the great amount of traffic on the road it was necessary to use only the very best materials. Metal was also stocked on the Rutenpoora lane, and the spreading has now commenced. This is a new work. The only other road work done consisted of trifling repairs to old roads.

*Drainage.*—Great inconvenience has always been experienced in Chuprah for the want of a proper system of carrying off the surplus rain water. Chuprah lies between a nullah on one side and a large chur on the other. The natural run of all the water is towards the "chur," but in the rainy season the chur becomes itself full of water, and to attempt to drain into it then is like draining into a sponge. A further difficulty is the narrowness and irregularity of the streets and lanes in the town, which make it impossible for us to keep cutcha drains in anything like working order. During the present year a large central drain has been dug, by which we hope to be able to carry off the water from the western side of Chuprah (Rutenpoora) to the Berhapoor nullah, and thence to the Gogra, in lieu of allowing it to run into the chur as heretofore. We have also constructed some length of pucca drains in the main street, which has answered very well; but the expense will, I am afraid, be a bar to its being largely extended.

*Sluice Gate.*—In October 1869 the high flood of the Gogra completely topped the sluice gate and swept into the town. To prevent the recurrence of a similar disaster, a strong bund has been erected, which stood the test of last year's rains very well.

*Lighting.*—Is not attempted.

*Conservancy.*—Is confined to the maintenance of staff of sweepers and carts for carrying off sweepings.

*Vaccination.*—A staff of vaccinators is maintained by the municipality; their labours have generally been successful. 4,359 persons were vaccinated during the year.

*Breaches of Municipal Rules.*—Two commissioners sit twice a week to try charges of the municipal laws. During the year 1870-71 391 persons were summoned, of whom 360 were punished with fine and 31 warned and discharged. The total amount of fines imposed was Rs. 442, being an average of Rs. 1-3-7¼ for each defendant. The largest fine imposed was Rs. 20, and the smallest, one anna. No daily fine was necessary.

*Vital Statistics.*—624 persons were ascertained to have been born, and 843 died, within the municipal limits during the year 1870-71. This gives a percentage of 19 per 1,000.

The subjoined table will show the gross amount of house-tax raised.

	Rs.	As.	P.
Gross amount of house-tax raised	15,424	5	6
Incidence per head of population	0	5	5½
Per house	1	9	1½
Total income	32,148	7	0
Total cost of police	8,497	15	3
Proportion of the municipal income expended in police	26	6	11
Expenditure in collection charges	2	7	3
Expenditure of establishment	10	15	1
Balance available for works of local improvements	59	4	0

*Cash account of Chuprah Municipal Improvement Fund under Act III. of 1864 for 1870-71.*

## RECEIPTS.

	Rs.	As.	P.	Rs.	As.	P.
To balance at the end of March 1870	...	...	...	263	5	8
" amount collected on account of the rate of 7½ per cent. upon the annual value of houses—						
" for 1869-70	...	...	776 0 0 10			
" 1870-71	...	...	14,648 5 5 10	15,424	5	6
" amount collected on account of ferries	...	...	...	2,970	5	5
" " " of tolls of Ajeabgunge and Berhapor bridges	...	...	...	5,712	3	0
" amount on account of proceeds of Chuprah found gate	...	...	...	153	0	0
" " " of fines and fees	...	...	...	481	3	0
" miscellaneous	...	...	...	5,997	10	2
Refund from road charges	...	...	...	1,145	2	3
" " police	...	...	...	0	4	0
" " general	...	...	...	1	0	0
Grand total	...	...	...	32,148	7	0

## DISBURSEMENTS.

By office charges—						
Salary	...	...	...	460	5	3
Contingencies	...	...	...	77	8	9
By general charges	...	...	...	...	...	537 14 0
By collection charges	...	...	...	...	...	413 15 3
By pound charges	...	...	...	...	...	789 12 9
By road charges—						117 0 0
Salary	...	...	...	1,586	8	0
Contingencies	...	...	...	6	4	6
Constructing Sahebgunge pucca road	...	...	...	1,250	0	0
Constructing and repairing Sahebgunge lane	...	...	...	26	10	0
Metalling main station side road	...	...	...	87	10	8
" Daheewa road	...	...	...	43	9	6
" Neiky Bazar road	...	...	...	35	15	3
" west jail road	...	...	...	11	0	0
" Mission Church road	...	...	...	139	12	0
" Berhapor side roads	...	...	...	200	3	0
" Rutenpoora lane	...	...	...	600	0	0
" the sides and turfing the slopes of lower station road	...	...	...	268	11	0
Embankment, turfing the bunds and repairing sluice gate, and also the culverts of the town	...	...	...	636	4	6
Repair to town roads	...	...	...	319	12	10
For digging, repairing, and cleansing drains	...	...	...	1,597	6	3
Miscellaneous works of petty repairs	...	...	...	50	0	0
Railings	...	...	...	40	0	0
Metalling Ajaebgunge bridge road	...	...	...	13	7	9
						6,913 3 3
By amount paid for the maintenance of the police under section 34 of Act III. of 1864	...	...	...	...	...	8,497 15 3
By conservancy charges	...	...	...	...	...	3,449 11 2
By watering charges	...	...	...	...	...	515 1 0
By vaccinating charges	...	...	...	...	...	442 0 0
Local improvement	...	...	...	...	...	649 2 0
Manufacturing bricks	...	...	...	...	...	2,550 0 0
Surface drains	...	...	...	...	...	2,200 0 0
Miscellaneous	...	...	...	...	...	4,781 13 6
Total expenditure	...	...	...	...	...	31,857 8 2
Balance in hand	...	...	...	...	...	290 14 10
Grand total	...	...	...	...	...	32,148 7 0

C. B. GARRETT,

*Chairman of the Chuprah Municipality.*

From W. H. D'O'LY, Esq., Chairman of the Municipal Committee of Arrah, to the Commissioner of Patna,—(No. 28, dated Arrah, the 26th August 1871.)

I HAVE the honor to submit the annual administration report of this municipality for the year 1870-71, accompanied by a statement showing the actual receipts and disbursements for the same year.



2. This municipality, which was created in 1865, has completed the sixth year of its existence. At the end of the year under report the municipal body consisted of fourteen persons, named below :—

Mr. W. H. D'Oyly,	...	Chairman.
„ J. G. Charles,	...	Vice-Chairman.
„ H. C. Levinge,	...	Member.
„ J. Macnamara,	...	Ditto.
„ W. D. Pratt,	...	Ditto.
„ J. Collet,	...	Ditto.
Dr. J. Durant,	...	Ditto.
Revd. J. C. Thomson,	...	Ditto.
Moulvie Taki Uddeen Ahmed,	...	Ditto.
Chowdhri Leakat Hossain,	...	Ditto.
Baboo Baijnath Sahai,	...	Ditto.
„ Harbans Sahai,	...	Ditto.
„ Sant Pershad,	...	Ditto.
„ Pratap Chunder Chatterjea,	...	Ditto and Municipal Secretary.

3. There have been ten meetings of the committee during the year under review. The attendance of the commissioners was generally good. Among the European members the attendance of Mr. Macnamara especially, and that of Dr. Durant, was very regular. Among the native members Baboo Baijnath Sahai, Moulvie Takee Uddeen, and Baboo Pratap Chunder Chatterjea, were regular in their attendance. Among the members who very seldom attended the meetings are to be named—Mr. W. D. Pratt, the district superintendent of police, Mr. Collet of Dinapore, Baboo Sant Pershad, and Chowdhri Leakat Hossain. The last named gentleman is, I regret to state, of little use to the committee.

4. There have been instituted 114 cases under Act III of 1864, out of which 58 cases resulted in convictions, and the remaining 56 cases were dismissed. The municipal commissioners Mr. Macnamara, Baboo Sant Pershad, Baboo Baijnath Sahai, and Moulvie Takee Uddeen, devoted much of their time in disposing of these cases.

5. The internal management of the municipality has been conducted with great satisfaction. I myself used to supervise all the work and proceedings, and Mr. Macnamara, the district engineer of roads, always used to take a lively interest in all municipal matters, and has rendered us very valuable assistance.

6. The sanitary condition of the town has been greatly improved during the year under review. An objectionable practice of bathing indiscriminately in all tanks and at all the wells, and the water of which was also used for drinking and culinary purposes, has been put a stop to, and certain tanks and wells have been reserved exclusively for drinking and culinary purposes.

The lower orders of people were in the habit of committing nuisances within the town wherever they liked; this has also been prevented.

The indiscriminate burning of lime, bricks, and potteries, all over the town was also another cause of annoyance, and measures have been adopted by which lime and bricks may be burnt without any fear of its affecting the health of the town. A latrine has also been erected close to the new collectorate for the use of the people attending the court. These measures have to a great extent improved the general health of the people, which is evident from the fact that there has been less sickness in the year under report than in previous years.

7. The total amount of income during the year under review was Rs. 14,010-15-8, and the total expenditure incurred was Rs. 12,837-4-5. The cash balance at the end of the year was Rs. 1,173-11-3.

8. The amount of house-tax assessed in the year in question was Rs. 12,041 which, with the unrealized balance of the previous year, made up a total of Rs. 13,058-0-9. Out of this sum Rs. 11,436-9-3 has been collected, and Rs. 76-11-6 has been reported to be irrecoverable. The net arrear at the close of the year amounted to Rs. 1,544-12-0.

9. The costs of several establishments have been reduced to a great extent. The amount expended on public works during the year under review was Rs. 4,125-12-4½. The conservancy expenditure has, without any detriment, been greatly reduced in the year in question. The total amount expended under this head was Rs. 1,289-4-9, which is very much short of the expenditure incurred in the previous year. Proposals were made for reducing the pay of the municipal police, but the commissioners were not prepared to effect any reduction in the force. The other items of expenditure do not call for any explanation. A bungalow has been purchased at a sum of Rs. 400 for the municipal office, as there was no accommodation available in the new collectorate.

10. The state of the roads is generally fair. Several of the town roads are annually subject to inundation from the Soane floods, and they often require repairs. Mr. Macnamara exercised a careful supervision over the road works, and the municipal overseer, Bokh Lal, has worked under him very satisfactorily.



11. In conclusion, I must record my gratitude to the municipal commissioners generally for the interest they have taken in the municipality, and for the valuable assistance they have continuously afforded me. Baboo Pratap Chunder Chatterjea has continued to act as secretary, although the commissioners felt bound to recommend a discontinuance of the salary that he used to draw; and my thanks are due specially to him and to Mr. Macnamara.

*Municipal Improvement Fund under Act III of 1864, or Statement of Receipts and Disbursement for the year 1870-71.*

		Rs. As. P.	Rs. As. P.
RECEIPTS.			
Balance from the last year 1869-70	...	...	1,859 9 2
To amount collected on account of the house-tax	...	11,436 9 8	
" " " on account of fine under Act III. of 1864	...	138 12 0	
" " " on account of cattle pound fine	...	169 15 0	
" " " On account of rent of serai at railway station	...	21 0 0	
" " " on account of sale of trees, fishes, and other miscellaneous	...	183 1 0	
" " " on account of fees realized from defaulters	...	83 13 0	
" " " on account of tulubana of extra peons employed for realization of the arrears of the house-tax	...	170 14 3	
" surplus amount realized by the sale of movable property of defaulters on account of arrears of house-tax	...	0 6 0	
Grand total	...	...	12,151 6 6
			14,010 15 8
DISBURSEMENTS.			
No. 1 By pay of the Arrah municipal Secretary	...	548 7 0	548 7 0
2 " charges incurred in the collection of the house-tax at 4 per cent.	...	432 6 6	
" office establishment of the municipal commissioners' office	...	475 0 0	
" pay of pound-keeper	...	78 0 0	
			985 6 6
ROAD ESTABLISHMENT.			
3 By Road establishment	...	300 0 0	
" Conservancy establishment	...	1,004 9 6	
" Local Improvement (i.e.) pay of mallee	...	14 9 1	
			1,319 2 7
4 " Lighting establishment	...	32 10 2	
5 " Feed of bullocks	...	252 1 1	
6 " Office contingencies	...	55 0 6	
7 " Pay of vaccinator	...	120 0 0	
8 " Pay of municipal force	...	5,258 2 9	
9 " Police clothing allowance	...	36 0 0	
10 " Police good conduct allowance	...	16 0 0	
11 " Pay of extra peons employed for realization of house-tax	...	265 5 6	
12 " Amount refunded to the magistrate of Shahabad on account of sale proceeds of fish of circuit bungalow tank	...	10 0 0	
13 " Paid to tax darogah on account of contingencies, price of postage and receipt stamps, &c.	...	11 6 3	
14 " Amount expended in case of Sheroo Jasah...	...	1 0 0	
15 " Pay of extra clerk attached to Patna commissioner's office	...	96 0 0	
16 " Amount refunded to Imaman Kungra on account of sale of mango fruit	...	4 8 0	
17 " Amount refunded to the defaulter on account of surplus amount realized by the sale of movable property for arrears of house-tax	...	0 6 0	
18 " Repair of pound	...	11 6 2	
19 " Repair of serai at railway station	...	117 14 7	
20 " Repair of bridges	...	150 0 0	
21 " Metalking roads (No. 49)	...	900 0 0	
22 " Repairing city roads as per estimate No. 47	...	750 0 0	
23 " Construction of cutcha latrine as per estimate No. 53...	...	205 3 0	
24 " Repair of Solono road	...	400 0 0	
25 " Repair of jail road as per estimate No. 42	...	116 4 4	
26 " Repair of Bitchlee road as per estimate No. 48	...	625 0 0	
27 " Metalling near goods' shed	...	350 0 0	
28 " Construction of conservancy carts	...	200 0 0	
			9,984 4 4
Total	...	...	12,837 4 5
Cash balance	...	...	1,173 11 3
Grand total	...	...	14,010 15 8

ARRAH MUNICIPALITY,  
The 26th August 1871.

W. H. D'O'LY, Chairman.

From C. F. WORSLEY, Esq., Officiating Magistrate and Chairman of Tirhoot, to the Commissioner of Patna, Bankipore,—(No. 15, dated Mozufferpore, the 25th April 1871.)

I HAVE the honor to submit the administration report of the Mozufferpore municipality for the year 1870-71.

2. The annual statement already submitted shows the income and expenditure for the year under the different budget heads.

3. *House-tax.*—The house-tax was levied at the rate of 7-8 per cent. The amount collected amounted to Rs. 13,077-6-1 out of a demand of Rs. 13,310-1-1, as exhibited below, leaving only a small balance of Rs. 232-11-0 outstanding. Last year the collections were only Rs. 11,314-3-2 out of a demand of Rs. 12,833-10-3. The very satisfactory results of this year are accounted for by the change in the system of collection introduced in May 1870. The collecting establishment was then reduced from one warrant officer on Rs. 15 a month and three bill sircars receiving 4 per cent. on the collections, the total establishment costing Rs. 728 a year, to one mohurir and three peons on Rs. 276 per annum, and the collections were ordered to be made under the personal superintendence of Mr. O'Laughlin, the secretary, at the municipal bungalow, instead of through peons sent out with bills. The result of the working of the new system is most creditable to Mr. O'Laughlin, and proves that the native public fully appreciate their relief from the oppressions and extortions which common peons once removed from the immediate supervision of their superior invariably practise. It is universally admitted that the tax has never been collected with so little oppression; it has never been collected so thoroughly or with as great ease as in the past year.

4. *Committee.*—The native members of the committee have generally taken a more lively interest in the administration of the municipality.

Out of eleven meetings held during the year the chairman attended ... 5 meetings.

Vice-Chairman	...	...	...	11	"
District Superintendent of Police	...	...	...	8	"
Dr. E. J. Gayer	...	...	...	4	"
Mr. E. Dalgleish	...	...	...	2	"
Dr. B. S. Booth	...	...	...	3	"
Baboo Gopal Chunder Dass	...	...	...	7	"
Syed Imdad Ali Khan	...	...	...	6	"
Baboo Kedarnath Banerjee	...	...	...	2	"
" Mohesh Chunder Chatterjee	...	...	...	4	"
" Kaliprosuno Ghuttuck	...	...	...	4	"
" Woomesh Chunder Roy	...	...	...	3	"
" Wooma Churn Mojomdar	...	...	...	0	"
" Nundun Lall	...	...	...	3	"
" Nuthoo Lall Chowdry	...	...	...	0	"
Rai Nunidpath Matha Bahadoor	...	...	...	0	"
Syed Mahomed Tukee Khan	...	...	...	4	"
Syed Mahomed Ashkuree Khan	...	...	...	2	"
Baboo Aujhodia Dass	...	...	...	3	"
" Aujhodia Proshaud...	...	...	...	2	"
" Mothoora Dass	...	...	...	1	"

The proceedings of the meetings are carried on in Urdu, instead of in English as formerly; each member is now able to understand the whole discussion which takes place on any subject, and to take his full part in the proceedings.

5. *WORKS DONE.—Road.*—One and a half mile of road has been remetalled;  $5\frac{1}{2}$  miles of metalled roads repaired;  $20\frac{1}{2}$  miles of kutchra road repaired; and  $4\frac{1}{2}$  miles of side roads constructed.

*Bridge.*—A wooden bridge on the road leading from Serryagung to Baloo Ghât has been built and an embankment raised, which it is hoped will make the road passible at all times of the year.

*Embankment.*—A retired bund is in course of construction to keep the river out of the lake at a point where the old Doudpore bund was half eaten away last rains.

*Drains.*—Seven new pukka drains have been built in the town, and others have been repaired.

*Bullock Shed.*—A new bullock shed roofed with galvanized corrugated iron has also been erected.

6. *Lighting.*—The main roads of the town were lighted in dark nights.

7. *Watering.*—Ten miles of metalled road were watered twice a day; 18 new iron water carts have been constructed.

*Conservancy.*—The night-soil of the town is collected by the mohalla or by private sweepers into ten depôts, from which it is removed at night in closed iron carts to a field outside the town, where it is buried. The roads are kept clean by municipal sweepers and carts. Five public privies were built, and others are in progress. Various tanks and wells were set apart for a supply of pure water for cooking purposes.

9. *Local improvement.*—Amongst other works, one tank was dug out and cleaned; and the banks of six other tanks repaired.

10. Mr. O'Laughlin still remains secretary and engineer of the municipality. He is most attentive to his duties, is an excellent supervisor, and possesses the full confidence of the commissioners:—

	Rs.	As.	P.
Outstanding balance of 1869-70	1,287	15	7
Struck off	274	14	6
Net outstanding balance of 1869-70	1,013	1	1
Demand of tax for 1870-71	12,297	6	0
Total demand	13,310	1	1
Collected in 1870-71	13,077	6	1
Balance outstanding	232	11	0

*Municipal Improvement Fund under Act III of 1864 for the year 1870-71.*

RECEIPTS.				Rs.	As.	P.
To-balance brought from last account	...	...	...	7,343	10	7
„ amount collected on account of the rate $\frac{1}{2}$ per cent. upon the annual value of houses, buildings, and lands	...	...	...	13,077	6	1
„ amount collected on account of fines, &c., under Act III. of 1864	...	...	...	297	15	10
„ „ „ „ ferry collection	...	...	...	10,687	8	1
„ „ „ „ fines realized from the owners of impounded cattle in the pounds within the municipality...	...	...	...	433	12	3
„ „ „ „ Government serai	...	...	...	210	0	0
„ „ „ „ Government tanks	...	...	...	43	0	0
Miscellaneous	...	...	...	214	11	3
Total Rs.	...	...	...	32,308	0	1

DISBURSEMENTS.				Rs.	As.	P.
Charges incurred in the collection of the rate of $\frac{1}{2}$ per cent., upon the annual value of houses, buildings, and lands	...	...	...	445	7	10
Conservancy charges	...	...	...	3,787	1	3
Amount paid to the district treasury for the maintenance of police under section 34 of Act III. of 1864	...	...	...	6,631	11	0
Amount expended for repairs to the station metalled roads	...	...	...	3,290	15	4
Amount expended for repairs to the following roads, viz:—	...	...	...			
Mahomedpore road	...	...	...	130	6	9
Hajepore road	...	...	...	45	2	6
Russoolpore ghaut road	...	...	...	9	5	3
Durbhunga road	...	...	...	50	13	7
Shahpore road	...	...	...	25	14	6
Roosrah road	...	...	...	25	2	10
Meethunpoorah road	...	...	...	32	8	5
Berhampoorah road	...	...	...	16	0	10
Kullianee road	...	...	...	64	8	6
Hajepore cross road	...	...	...	155	0	0
Kunhawbe road	...	...	...	100	3	2
Islampore road	...	...	...	39	5	8
Chundwarah road	...	...	...	40	5	6
Serrgatgunge road	...	...	...	23	10	2
Cutcherry compound road	...	...	...	7	5	10
Wooden bridges	...	...	...	34	2	6
Constructing a retired bund at Daudpore	...	...	...	500	0	0
Salary of overseer	...	...	...	300	0	0
Salary of drivers and chuprasees	...	...	...	240	0	0
Cost of feeding six bullocks	...	...	...	289	0	0
Repairs to the store godown	...	...	...	25	0	0
Constructing ten drains	...	...	...	200	0	0
Repairing cart shed	...	...	...	20	0	0
Repairing two bullock sheds	...	...	...	40	0	0
Road contingencies	...	...	...	515	12	5
Amount expended in watering the town roads	...	...	...	4,864	15	4
Amount in excavating and cleaning Government tanks	...	...	...	200	0	0
Amount in cleaning and repairing pucea serai	...	...	...	78	10	0
Amount in constructing and repairing cattle pounds	...	...	...	66	11	0
Amount in repairing the sluice gates	...	...	...	12	0	4
Amount in lighting the town roads	...	...	...	1,114	2	0
Amount in repairing the municipal clock and keeping it in order	...	...	...	104	0	0
Establishment of the office of municipal commissioners constituted under Act III (B. C.) of 1864	...	...	...	3,523	8	11
Pay of pound-keepers and vaccinator	...	...	...	258	0	0
Office contingencies and stationery	...	...	...	151	2	0
By purchase of implements	...	...	...	175	0	0
By purchase of a silver watch with engraving presented to Baboo Bujrunglebeharee Lall Pandey for taking care of the trees planted in the cutcherry compound	...	...	...	89	10	0
Total Rs.	...	...	...	27,722	11	5
Balance in hand on the 31st March 1871	...	...	...	4,585	4	8
Grand total	...	...	...	32,308	0	1

McLUFFERPORE;  
Municipal Commissioners' Office,  
The 19th April 1871.

C. F. WORSLEY,  
Offg. Magistrate and Chairman.



Memorandum by C. F. WORSLEY, Esq., Officiating Magistrate and Chairman of Tirhoot Magistracy,—(No. 19, dated Tirhoot, the 5th May 1871.)

COPY forwarded to the Commissioner of Patna for his information. The large arrear of collections speak very badly for the administration of the municipality, and the vice-chairman's serious attention will be called to the subject.

From E. H. RUDDOCK, Esq., Assistant Magistrate and Vice-Chairman of Durbhungah Municipality, to the Magistrate of Tirhoot,—(No. 7, dated Durbhungah Municipality, the 3rd May 1871.)

With reference to your letter No. 17, dated 26th April last, I have the honor to submit my yearly report about the Durbhungah Municipality for the year 1870-71.

*Collections.*—There were collected during the year under report Rs. 13,876-1-9, against Rs. 14,398-0-9 in the previous year. The amount outstanding is Rs. 2,356-6-0. This appears a larger sum than it really is, as a considerable sum will have to be struck off on account of tax-payers who have either died or left. The subject is now under inquiry.

*Conservancy.*—The town has been kept fairly clean during the year. It will be some time before Durbhungah can get rid of all its dirty holes; but as a proof to show there is improvement in the health of the town, which I take to arise from improved water and from the town being kept cleaner, I may state that the health of the town during the past year has been very good, and that during the cholera last year from May to July, considering its size and its crowded population, it suffered comparatively slightly; in fact, afforded a marked contrast to the excessive mortality of the previous year. The roads were repaired during the year, and there are very few parts of the town where, provided the width of the streets allows it, one cannot drive.

*Improvement.*—The Durbhungah Raj continues to make improvements in the way of tanks, wells, &c. The tank promised and continued by Baboo Chitar Narian Chowdhury has been completed at a cost of Rs. 1,000.

The curtailment made in the police force from the beginning of year under report has not affected its efficiency, the force was however getting lazy, as there was for several months no assistant superintendent of police here; but since the visit of Captain Skinner on tour, and the posting of Mr. Assistant Superintendent Johnston, it has become much more energetic. The municipal commissioners have given me satisfaction during the year.

*Durbhungah Municipal Improvement Fund under Act III. of 1864 for the year 1870-71.*

RECEIPTS.

	Amount			Total amount.		
	Rs.	As.	P.	Rs.	As.	P.
Balance in hand on the 31st March 1870						
To amount collected on account of the rates per cent. upon the value of houses	...	...	...	178	10	7
Fees under Act III of 1864	12,393	9	6			
Fines ditto	41	2	0			
Income of pound	128	4	0			
„ of Alabbe Ghât	293	2	3			
	1,020	0	0	13,876	1	9
Total Rs.	...	...	...	14,054	12	4

DISBURSEMENTS.

	Amount.			Total amount.		
	Rs.	As.	P.	Rs.	As.	P.
Charges incurred in the collection of the rates per cent. upon the value of houses	1,266	15	0			
Conservancy charges	866	8	0			
Amount paid to the district treasury for the maintenance of police, section 34, Act III	7,660	1	0			
Road establishment—						
Salary of overseer and peons	504	0	0			
Repairs of following roads:—						
Kadirabad	7	0	0			
Moulvie Abdool Hye to Moonsiff's Court	35	0	0			
S. Ashgur Ally's house	7	0	0			
Hafiz Methoo to Ordu road	42	0	0			
Police station road	35	0	0			
Monharrow Lall's road	45	0	0			
Kanayah Lall's to Shamsher Gung	20	0	0			
Mirzapore to Katkibazar road	30	0	0			
Chintamani Lall's house to Raj Coomar Gung	35	0	0			
Shah Wayalat to Durbhungah station	3	0	0			
Fuhta Ally Gung road	35	0	0			
Moulviengunge road	150	0	0	10,741	5	0

					Rs. As. P.	Rs. As. P.
Demon Purdhan's house to Kally Tewari's house...	...	...	...	...	10 0 0	
Allinagur road	...	...	...	...	120 0 0	
Rabam Gung road	...	...	...	...	30 0 0	
" to Ordu Bazar	...	...	...	...	55 0 0	
Old Distillery to Kazi Ashruf Ally's house	...	...	...	...	25 0 0	
Loyfulla Gung road	...	...	...	...	20 0 0	
Tarry Bazar road	...	...	...	...	20 0 0	
Dila to Jamalpore road	...	...	...	...	50 0 0	
Bhatiary Serai road	...	...	...	...	30 0 0	
Mofti road	...	...	...	...	20 0 0	
Natho's house to Poshan house	...	...	...	...	45 0 0	
Mosharuf Gung road	...	...	...	...	60 0 0	
Baboo Dabee Purshaud Garden to Lanu Baboo's house	...	...	...	...	74 0 0	
Salary of coolies appointed in the time of rainy season	...	...	...	...	35 4 0	
Miscellaneous contingent	...	...	...	...	143 6 8	
Office establishment	...	...	...	...	928 0 0	
Vaccine Department	...	...	...	...	83 8 6	1,749 3 2
Total amount expended					...	12,490 11 2
Balance in hand on the 31st March 1871					...	1,564 1 2
Total Rs.					...	14,054 12 4

DURBHUNGAH MUNICIPALITY,  
The 18th April 1871.

E. H. RUDDOCK,  
Assistant Magistrate and Vice-Chairman.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 30th September 1871.*

Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
1	Bhaugulpore	Sept. 29th	3.0	Favorable	The river has fallen a little. Aghany crops very good; no chance of Kulai on the dearahs.	The river began to fall on the 30th Sept. 1871.
2	Monghyr	" 30th	3.7	Fair	Bhadoi mostly damaged. Kulai cannot be produced.	
3	Purneah	" 16th	3.8	Rain and sun	Cold weather crops fair. Both the Bhadoi and Aghany crops have suffered, more or less, throughout the district.	
4	Rajmehal	" 30th	0.7	Rain and sun	Favorable for the Aghany rice.	
5	Deoghur	" 30th	1.0	Fair	Good, except low land rice.	
6	Nya Doomka.	" 30th	*	Very rainy	All crops suffering from rain.	* No rain gauge.
7	Godda			Seasonable	No change.	
8	Pakour			Fair	Satisfactory.	
9	Jamtara			Rainy and cloudy	Rice mostly damaged by floods and heavy rain.	
10	Patna			Seasonable	Good.	
11	Gya	" 30th	2.1	Cool easterly winds.	Amun good; all other crops damaged by rain.	The river is stationary.
12	Chumparun	" 23rd	4.2	Very heavy rain; then fair.	Crops considerably damaged by heavy rain.	
13	Sarun	" 30th	11.5	Rainy	Rice has suffered both from rain and flood.	
14	Shahabad	" 30th	5.8	Changeable	Good, except where injured by inundation.	
15	Tirhoot.	" 22nd	4.1	Hot and then rainy.	Generally favorable.	
16	Rajshahye.			Rainy	Amun good. The cold weather crops destroyed by a second rise of the Ganges.	
17	Bogra			Wet	The floods have destroyed the Kulai again.	
18	Dinagapore	" 23rd	1.0	Unusually hot	Good.	
19	Maldah	" 29th	7.8	Fair	Generally good, except in the sudder sub-division, where crops are much damaged and amun a little. Sugar-cane not good.	
20	Moorshedabad	" 30th	2.9	Fine and hot.	Favorable.	
21	Pubna.	" 30th	1.5	Clear	Good.	Gorai falling, but Matabhangah, Bhagirathce & Jellinghee are rising. Cattle disease commencing.
22	Rungpore			Rain and sun	Amun very good where it has not been destroyed by the floods.	
23	Burdwan			Favorable	Damage by submersion of the crops continues.	
24	Bancoorah	" 30th	1.7	Dry and good	Very good, except in the inundated parts (about 85 square miles.)	
25	Beerbhoom	" 30th	0.2	Generally fine	Same as last week. Cold weather crops cannot be sown for the flood.	
26	Hooghly	" 23rd	0.9	Rain and sun	Good, except in Baraset and Satkhirah.	
27	Howrah	" 30th	0.9	Seasonable	Most promising.	
28	Midnapore	" 29th	0.8	Sunny and rainy.	Favorable.	
29	Nuddea	" 29th	3.6	Dry and sunny	Rice good. Sugar-cane much damaged.	
30	Jessore.	" 30th	1.5	Fine, and then stormy.	Very good.	Floods subsiding.
31	24-Pergunnahs			Very hot	Good.	
32	Dacca			Cloudy and rainy	Very good.	
33	Backergunge	" 22nd	0.1			
34	Furreedpore	" 23rd	3.3			
35	Mymensingh	" 30th	0.9			
36	Sylhet	" 23rd	4.1			
37	Cachar	" 23rd	4.9			



Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
38	Chittagong ...	Sept. 22nd	3.8	Generally fine ...	Favorable on the whole.	
39	Noakhally or Bulloah	„ 22nd	4.4	Rainy ...	Good.	
40	Tipperah ...	„ 22nd	1.5	Occasional showers.	Good. Water has risen on the Megna side of the district: any further rise may affect the crops.	
41	Hill Tracts of Chittagong	„ 16th	3.1	Rain and sun ...	Thriving.	
42	Cuttack ...	„ 30th	2.6	Fair ...	Very good.	
43	Balasore ...	„ 30th	2.5	Little rain ...	Excellent.	
44	Pooree ...	„ 22nd	2.0	Hot and showery.	Crops in most places have suffered from scanty and late rain.	
45	Hazareebaugh ...	„ 30th	1.2	Showery ...	Same as last week.	
46	Lohardugga ...	„ 29th	3.7	Seasonable ...	Excellent.	
47	Maunbhoom ...	„ 30th	2.1	Favorable ...	Improving.	
48	Singbhoom ...	„ 23rd	1.3	Seasonable ...	Very favorable.	
49	Durrung.					
50	Nowgong ...	„ 23rd	9.4	Rainy ...	Same as before.	
51	Sebsaugor ...	„ 23rd	0.9	Warm, damp, and unhealthy.	Satisfactory.	
52	Kamroop ...	„ 23rd	2.4	Rainy ...	Favorable.	
53	Luckimpore ...	„ 16th	1.4	Dry and sultry...	Satisfactory.	
54	Khasi and Jynteah Hills.	„ 22nd	1.1	Cloudy and rainy	Favorable.	
55	Naga Hills.					
56	Julpigoree ...	„ 22nd	0.8	Sultry ...	Favorable.	
57	Gowalparah ...	„ 16th	1.2	Rainy ...	Rain improving the crops.	
58	Garo Hills ...	„ 23rd	2.1	Seasonable ...	Healthy.	
59	Darjeeling ...	„ 23rd	1.2	Fair and healthy	Promising.	
60	Cooch Behar ...	„ 23rd	0.8	Favorable ...	Fair.	

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 3rd October 1871.

C. BERNARD,  
Offg. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Division.	Stations.	Rainfall from 11th to 17th Sept. 1871.	Rainfall from 18th to 24th Sept. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	2.20	3.10	54.48	24th Sept. 1871.	
	{ Jail ...	2.47	2.90	48.40	ditto.	
	False Point ...	3.25	Not received	54.85	17th Sept. 1871.	
	Jajipore ...	3.07	1.91	83.53	24th Sept. 1871.	
	Kendraparah ...	1.40	1.30	44.20	ditto.	
	Jugutsingapore ...	2.10	3.10	47.93	ditto.	
	Sumbulpore ...	1.88	Not received	41.01	17th Sept. 1871.	
	Balasore ...	3.48	6.89	57.61	24th Sept. 1871.	
	Bhuddruck ...	2.49	1.23	51.63	ditto.	
	Pooree ...	2.26	6.70	52.96	ditto.	
CHOTA NAGPORE.	Khoordah ...	0.91	Not received	48.67	17th Sept. 1871.	
	Hazareebaugh ...	6.27	0.53	53.62	24th Sept. 1871.	
	Burhee ...	1.76	1.62	47.88	ditto.	
	Pachamba ...	3.25	2.39	55.39	ditto.	
	Ranchee ...	3.56	3.38	60.40	ditto.	
	Palamow ...	1.54	3.71	47.70	ditto.	
	Purulia ...	3.62	2.42	60.74	ditto.	
	Gobindpore ...	6.95	1.94	52.72	ditto.	From 12th June.
	Chyebassa ...	5.66	3.26	55.62	ditto.	
PATNA.	Patna ...	3.41	3.21	47.72	ditto.	
	Behar ...	2.66	2.07	51.89	ditto.	
	Barh ...	3.36	2.54	35.09	ditto.	
	Dinapore ...	2.31	2.55	46.33	ditto.	
	Gya ...	1.79	2.01	46.14	ditto.	
	Shorghotty ...	2.98	0.58	43.26	ditto.	
	Nowadah ...	3.87	2.42	49.17	ditto.	
	Arungabad ...	2.00	1.05	37.85	ditto.	
	Chumparan ...	6.01	0.93	45.13	ditto.	
	Bettiah ...	5.05	0.55	48.63	ditto.	From 5th June.
BHAUGULPORE.	Chuprah ...	6.50	Nil	63.28	ditto.	
	Sewan ...	8.28	1.38	68.39	ditto.	
	Mozufferpore ...	5.90	2.30	55.49	ditto.	
	Durbhangah ...	6.74	Not received	69.04	17th Sept. 1871.	
	Seetamaree ...	7.47	0.90	52.64	24th Sept. 1871.	
	Tajpore ...	4.80	Not received	41.29	17th Sept. 1871.	Not recorded, 6th to 19th March.
	Mudhubani ...	2.30	0.93	50.17	24th Sept. 1871.	From 1st April.
	Hajipore ...	5.29	0.93	35.85	ditto.	From 22nd May.
	Arrah ...	3.73	1.03	55.29	ditto.	
	Buxar ...	6.05	0.45	63.93	ditto.	
BHAUGULPORE.	Sasseram ...	6.13	2.17	46.95	ditto.	
	Bhubhoah ...	3.36	0.87	55.21	ditto.	
	Benares ...	6.05	1.85	51.43	ditto.	
	Bhangulpore ...	1.73	2.92	36.19	ditto.	
	Mudheypoorah ...	4.20	3.50	51.83	ditto.	
	Banka ...	2.97	6.48	45.81	ditto.	
	Sopool ...	3.55	2.86	25.27	ditto.	From 14th August.
	Monghyr ...	2.79	3.48	55.39	ditto.	
	Jamooie ...	1.96	2.24	43.82	ditto.	
	Begoosari ...	3.10	2.36	40.96	ditto.	
RAJSHAHY.	Deoghur ...	2.39	3.34	56.16	ditto.	
	Jamtara ...	2.15	3.30	61.63	ditto.	From 13th February.
	Rajmehal ...	8.70	5.80	70.59	ditto.	From 12th February.
	Pakour ...	6.39	4.46	46.29	ditto.	From 21st May.
	Purneah ...	3.80	6.05	75.34	ditto.	
	Kishengunge ...	3.24	6.74	59.41	ditto.	
	Arraria ...	4.77	6.18	61.82	ditto.	
PURDWAR.	Rampore. Beaulah ...	4.14	4.76	70.87	ditto.	
	Nattore ...	4.27	Not received	78.35	17th Sept. 1871.	
	Bograh ...	6.11	4.67	86.77	24th Sept. 1871.	
	Dinapore ...	5.98	1.96	68.32	ditto.	
	Maldah ...	4.92	3.52	51.20	ditto.	
	Berhampore ...	3.10	7.42	65.76	ditto.	
	Jungipore ...	4.65	3.64	61.45	ditto.	
	Lalbagh ...	5.43	6.19	60.51	ditto.	From 16th January.
	Jamookandi ...	3.81	Not received	63.60	17th Sept. 1871.	From 17th April.
	Pubna ...	5.44	1.53	63.56	24th Sept. 1871.	
PURDWAR.	Serajgunge ...	3.48	0.79	70.05	ditto.	
	Rungpore ...	4.80	3.60	91.60	ditto.	
	Bhowanigunge ...	5.85	1.51	63.16	ditto.	From 22nd January.
	Titalya ...	3.18	5.93	79.13	ditto.	
PURDWAR.	Burdwan ...	1.85	1.96	62.51	ditto.	
	Cutwa ...	3.51	4.56	65.21	ditto.	
	Culina ...	3.11	1.91	62.43	ditto.	
	Bood-Bood ...	1.81	1.10	64.40	ditto.	
	Bancoorah ...	4.61	2.33	60.08	ditto.	
	Raneegunge ...	2.04	1.42	52.87	ditto.	
	Sooree ...	5.35	1.83	58.93	ditto.	
	Hooghly ...	1.40	1.20	72.19	ditto.	
	Serampore ...	1.98	1.31	51.15	ditto.	From 20th March.
	Jehanabad ...	1.62	3.32	63.58	ditto.	From 21st April.
PURDWAR.	Howrah ...	2.84	0.87	86.93	ditto.	
	Midnapore ...	5.45	2.60	67.88	ditto.	
	Contai { Dy. Collr.'s Office ...	4.55	3.37	69.09	ditto.	
	{ Engr.'s Office ...	5.42	3.75	80.42	ditto.	
PURDWAR.	Gurbetta ...	3.39	2.99	58.51	ditto.	From 6th February.
	Tumlook ...	4.39	1.80	61.46	ditto.	

DIVISIONS.	Stations.	Rainfall from 11th to 17th Sept. 1871.	Rainfall from 18th to 24th Sept. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishnaghur ...	1.76	Not received	52.59	17th Sept. 1871.	
	Bongong ...	2.91	ditto	69.20	ditto.	
	Banaghat ...	1.98	ditto	52.63	ditto.	
	Meherpore ...	4.54	ditto	56.05	ditto.	
	Chooadangah ...	4.10	ditto	78.55	ditto.	
	Kooshtea ...	3.63	1.58	76.06	42th Sept. 1871.	
	Jessore ...	1.62	0.95	76.79	ditto.	
	Khoolnah ...	2.88	1.66	75.80	ditto	From 16th February.
	Jenidah ...	3.65	0.50	82.96	ditto	From 6th March.
	Nurail ...	2.39	1.37	67.40	ditto	From 3rd April.
	Magoorah ...	1.22	0.07	37.71	ditto	ditto.
	Bagirhaut ...	4.77	1.00	75.52	ditto	ditto.
	Saugor Island ...	6.50	4.80	89.70	ditto.	
	Calcutta ...	2.93	1.35	86.05	ditto.	
	Alipore { Jail ...	2.85	1.61	90.55	ditto.	
	{ Hospital...	3.05	1.92	89.37	ditto.	
	Barrackpore ...	1.67	2.08	83.59	ditto.	
	Dum-Dum ...	1.74	2.27	63.38	ditto.	
	Baraset ...	1.09	0.79	64.01	ditto.	
	Satkerah ...	1.95	0.74	68.47	ditto.	
DACCA.	Busseerhaut ...	5.04	0.86	70.05	ditto.	
	Diamond Harbour ...	4.40	1.83	79.25	ditto.	
	Barripore ...	3.58	3.14	83.05	ditto.	
	Dacca { Telegraph Office ...	1.79	2.70	81.18	ditto.	
	{ Jail ...	2.50	3.50	77.10	ditto.	
	Burrisaul ...	1.90	3.66	82.49	ditto.	
	Dowlat Khan ...	6.99	5.71	98.62	ditto.	
	Perozepore ...	4.02	Not received	84.22	17th Sept. 1871.	
	Madaripore ...	2.97	0.80	72.03	24th Sept. 1871.	
	Furzedpore ...	2.77	1.14	86.71	ditto.	
	Goalundo ...	3.06	0.64	49.77	ditto	From 5th June.
	Mymensing ...	3.49	Not received	97.30	17th Sept. 1871.	
	Jamalpore ...	1.32	6.53	74.82	24th Sept. 1871.	
	Atteah ...	2.15	Not received	91.48	17th Sept. 1871.	
CHITTAGONG.	Kishoregunge ...	8.05	4.79	99.23	24th Sept. 1871.	
	Sylhet ...	5.57	5.80	122.48	ditto.	
	Cachar ...	2.04	Not received	78.07	17th Sept. 1871.	
	Hylakandy ...	1.67	ditto	75.10	ditto	Not received 10th to 23rd July.
	Koyah ...	3.05	ditto	89.10	ditto	Not received 31st July to 6th Aug. and 4th to 10th September.
	Chittagong { Telegraph Office ...	1.50	4.60	49.78	24th Sept. 1871.	
	{ Jail ...	1.57	5.15	98.58	ditto.	
	Cox's Bazar ...	6.25	Not received	152.22	17th Sept. 1871.	
	Rangamata Hill ...	1.82	ditto	85.29	ditto.	
	Noakhally ...	7.30	7.86	115.27	24th Sept. 1871.	
COCH BHAIR.	Tipperah ...	1.15	3.51	90.38	ditto.	
	Brahmanbariah ...	1.83	6.05	101.50	ditto.	
	Akyab ...	9.80	10.30	186.00	ditto.	
	Buxa ...	8.88	5.52	155.99	ditto.	
	Gowniparah ...	1.17	3.18	83.28	ditto.	
	Dhooobree ...	Not received	Not received	54.96	10th Sept. 1871	Not recorded 27th Feb. to 5th March.
	Tura (Garo Hills) ...	2.24	5.28	100.31	4th Sept. 1871.	
	Darjeeling { Telegraph Office ...	Not received	Not received	93.68	31st Aug. 1871.	
ASSAM.	{ Hospital ...	7.30	7.14	114.81	24th Sept. 1871.	
	Rungbee ...	Not received	Not received	117.04	31st July 1871.	
	Falscottah ...	ditto	ditto	40.97	6th Aug. 1871	Discontinued since 6th August.
	Julpigooree ...	2.04	5.15	90.02	24th Sept. 1871.	
	Boda ...	1.35	1.13	62.11	ditto.	
	Tezporo ...	3.63	Not received	75.20	17th Sept. 1871.	
	Nowgong ...	5.27	6.50	114.90	24th Sept. 1871.	
	Mungledye ...	0.32	Not received	60.96	17th Sept. 1871	From 30th January.
	Burpettah ...	1.98	ditto	72.69	ditto.	
	Gowhatti ...	1.87	3.98	54.51	24th Sept. 1871.	
SAMSAT.	Seesaugor ...	0.18	Not received	105.33	17th Sept. 1871.	
	Jorehaut ...	0.42	ditto	82.26	ditto	From 27th February.
	Golaghat ...	2.28	ditto	97.23	ditto.	
	Nazeerah ...	0.63	ditto	94.91	ditto.	
	Debrooghur ...	3.07	ditto	94.47	ditto.	
	Suddya ...	Not received	ditto	84.42	3rd Sept. 1871.	
	Shillong ...	3.91	ditto	61.92	17th Sept. 1871.	
	Cherrapoonjee ...	13.91	5.32	291.08	24th Sept. 1871	From 18th February.
	Jamooie ...	2.53	Not received	100.26	17th Sept. 1871.	
	Samoogoodting ...	1.40	ditto	46.33	ditto.	

HENRY F. BLANFORD,

CALCUTTA,  
The 30th September 1871.

Meteorological Reporter to the Govt. of Bengal.



## Meteorological Telegraphic Report for the period 24th to 30th September 1871.

STATIONS	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. =100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Sept.											
	24th	10	29.755	29.773	80.4	78.6	91	SSE	...	0.32	...	
		16	29.708	29.724	82.0	79.8	91	SSE	...	0.04	...	
	25th	10	29.862	29.882	84.7	80.5	81	S by E	...	...	S	
		16	29.761	29.769	87.4	81.2	74	S	...	0.07	C, K	
	26th	10	29.835	29.853	84.4	80.6	85	SSE	...	...	C, K	
		16	29.745	29.763	87.1	81.2	76	S	...	0.16	C, K	
	27th	10	29.867	29.875	86.0	80.3	77	S	...	...	K	
		16	29.764	29.782	84.3	81.5	72	SSW	...	...	K	
	28th	10	29.884	29.902	85.6	80.7	79	SSW	...	...	K	
		16	29.749	29.767	89.4	81.5	69	S by W	...	...	K	
	29th	10	29.861	29.879	86.2	80.2	75	S by W	...	...	C, K	
MAHON ISLAND.		16	29.743	29.761	87.4	82.5	79	S by W	...	...	C, K	
	30th	10	29.819	29.837	86.4	79.0	70	SSW	...	...	C	
		16	29.706	29.724	88.7	81.5	71	S	...	...	K, C	
	24th	10	29.755	29.761	82	80	91	S	14.2*	1.40	N	o, w
		16	29.705	29.711	84	81	87	S	16.0*	0.10	N	o, w
	25th	10	29.878	29.884	85	81	83	S	11.6*	0.20	N	b, p, w
		16	29.766	29.772	87	81	76	S	13.0*	...	N	b
	26th	10	29.835	29.841	83	80	87	S	9.5*	...	N	b
		16	29.758	29.762	87	82	79	SSW	9.7*	...	N	b
	27th	10	29.865	29.871	88	81	79	S	5.4*	...	N	b
		16	29.786	29.792	87	80	72	S	9.9*	...	N	b
	28th	10	29.895	29.901	87	83	83	SSW	6.0*	...	N	b
CHITTAGONG.		16	29.775	29.781	87	83	83	SSW	8.1*	...	N	b
	29th	10	29.873	29.879	87	83	83	SSW	3.6*	...	N	b, m
		16	29.761	29.767	86	82	83	SSW	6.6*	...	N	o
	30th	10	29.836	29.842	87	83	83	WSW	10.3*	...	N	b
		16	29.734	29.740	88	82	76	SW	12.1*	...	N	b
	24th	10	29.812	29.822	85	78	71	SE	3.9*	...	K, CK	b
		16	29.751	29.861	85	79	75	SW	10.7*	...	K	b
	25th	10	29.832	29.841	87	80	72	Calm	3.5*	...	K	b
		16	29.675	29.784	86	80	75	SE	5.4*	...	C	b
	26th	10	29.783	29.893	87	81	76	Calm	2.8*	...	CK, C	b
		16	29.695	29.804	87	80	72	W	5.1*	...	K	b, t
	27th	10	29.797	29.907	86	81	79	Calm	3.0*	...	K, CK	b
MADRAS.		16	29.715	29.825	85	80	79	Calm	3.3*	...	K, KS, C	b
	28th	10	29.839	29.950	85	80	79	Calm	2.7*	...	K, KS	b
		16	29.713	29.822	87	80	72	W	4.6*	...	CS	b
	29th	10	29.829	29.940	85	79	75	Calm	7.3*	...	K, KS	b
		16	29.693	29.802	88	81	72	WSW	11.3*	...	C	b
	23rd	10	29.805	29.835	85	73	54	SSE	13*	...	...	be
		16	29.669	29.699	93	74	37	SE	10*	...	...	be
	24th	10	29.836	29.866	87	73	48	SSE	14*	...	...	b
		16	29.767	29.787	88	78	62	E	12*	...	...	be
	25th	10	29.866	29.896	88	78	55	S by W	11*	0.04	...	be
		16	29.729	29.759	87	77	61	ESE	9*	...	...	be
	26th	10	29.839	29.869	89	77	56	SSE	8*	...	...	be
CUTTACK.		16	29.705	29.735	83	79	83	S by S	4*	0.06	...	be
	27th	10	29.846	29.876	81	78	78	ESE	13*	2.38	...	be
		16	29.739	29.769	85	78	71	ESE	8*	...	...	be
	28th	10	29.870	29.900	84	77	71	S by E	5*	...	...	be
		16	29.737	29.767	85	78	71	NNW	5*	...	...	be
	29th	10	29.889	29.919	83	78	78	S by E	5*	1.91	...	be
		16	29.756	29.786	83	77	75	NNW	8*	...	...	be
	30th	10	29.850	29.880	84	75	38	ENE	4*	...	...	be
		16	29.718	29.748	84	78	75	SW	9*	...	...	be
	23rd	10	29.565	29.647	83	79	83	NNE	0.5*	0.10	N, KS	r
		16	29.458	29.541	81	79	91	N	0.8*	...	N	d
	24th	10	29.677	29.769	82	79	87	SW	0.6*	1.80	N	d, r, w
AYR.		16	29.603	29.685	83	78	78	SSW	0.2*	...	N	d
	25th	10	29.764	29.846	84	80	83	SSW	0.3*	0.40	N	r
		16	29.669	29.751	85	79	75	SSE	0.7*	...	N	w, d
	26th	10	29.771	29.853	85	78	71	SSW	0.2*	...	KS	cloudy
		16	29.676	29.758	86	79	72	S	0.7*	...	KS, N	
	27th	10	29.781	29.863	84	79	79	SE	0.2*	...	N	d, w
		16	29.678	29.758	86	80	75	SE	0.5*	...	KS, N	cloudy
	28th	10	29.797	29.879	86	80	75	S	0.1*	...	K, C	fair
		16	29.699	29.781	84	80	83	SE	0.5*	...	KS, N, C	
	29th	10	29.830	29.912	86	81	79	WSW	0.1*	...	KS, C, N	
		16	29.699	29.781	84	79	79	WSW	0.2*	...	N	
	30th	10	29.778	29.860	87	79	68	S	0.1*	...	C, KS	fair
		16	29.651	29.732	90	80	63	SSE	0.4*	...	C, KS	fair
AYR.	24th	10	29.911	29.926	84	79	79	SE	2	...	C, CS, K, KS	b
		16	29.811	29.826	84	79	79	SSW	2	...	CS, K	b
	25th	10	29.806	29.911	79	76	86	ESE	1	...	C, CS, K	b
		16	29.750	29.765	85	80	79	NW	2	...	CS, K	b
	26th	10	29.851	29.866	84	81	87	E	1	...	CS, K	b
		16	29.715	29.760	87	82	79	WSW	1	...	CS, K	b
	27th	10	29.874	29.889	83	80	87	SW	2	...	CS, K	b
		16	29.774	29.789	87	81	76	SW	2	...	CS, K	b
	28th	10	29.894	29.909	83	79	83	E	1	...	KS, CS, CK	b
		16	29.777	29.792	86	80	75	SW	1	...	CS, S, K	b
	29th	10	29.897	29.912	78	76	90	W	1	1.50	K, KS	r, t
		16	29.783	29.798	77	74	86	ESE	1	0.20	K, CK	g

\* Velocity of wind in miles per hour.

CALCUTTA.  
14 30th September 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 16TH TO 31ST AUGUST 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.			BAROMETER.				THERMOMETER.										HUMIDITY.				RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Height above sea-level.	Range.	MEAN OF				SOLAR RADIATION.				Mean of max.	Mean daily range.	Mean of min.	MEAN OF				HIGHEST MAX.		Absolute range.	LOWEST MIN.		MEAN OF				In inches.	No. of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			4 hours.	10 hours.	16 hours.	22 hours.	Max.	Min.	Day.	Night.				Mean.	4 hours.	10 hours.	16 hours.	22 hours.	Day.		Night.	4 hours.	10 hours.	16 hours.	22 hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Port Blair	110	29.781	29.815	29.708	29.780	107	121.4	131.3	102.0	88.1	3.5	84.6	89.3	88.3	88.1	85.8	20th	29th	90.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

## CALCUTTA—AUGUST 1871.

Mean Barometric pressure of 16 years ... 29.592 | Mean temperature of 16 years ... 82.0  
 Ditto ditto of 1871 ... 29.600 | Ditto ditto of 1871 ... 83.9  
 Excess in 1871 ... 0.8 | Equal ... 0.0

Mean rainfall of 16 years ... 86  
 Ditto ditto of 1871 ... 89  
 Defect in 1871 ... 3

Mean humidity of 16 years ... 14.70  
 Ditto ditto of 1871 ... 12.11  
 Excess in 1871 ... 2.59

CALCUTTA,

The 30th September 1871.

HENRY F. BLANFORD,  
 Meteorological Reporter to the Govt. of Bengal.

*Mean Pressures and Temperatures of the preceding Table reduced to Sea-Level, with Mean Wind Direction.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.	
			Proportional prevalence, Max.=100.	Mean direction.
Port Blair	Not received.			
Madras	29.788	86.4	36	S 14° W
Vizagapatam	29.735	86.6	39	S 61° W
Akyab	29.783	81.1	56	S
False Point	29.752	85.8	61	S 51° W
Cuttack	29.735	83.9	62	S 34° W
Saugor Island	29.701	84.8	71	S 16° W
Chittagong	29.781	80.5	55	S 36° E
Calcutta	29.698	83.1	86	S 26° W
Jessore	29.695	82.4	41	S
Dacca	29.709	82.3	76	S 1° E
Cachar	29.731	80.5	23	N 47° E
Hazareebaugh	29.664	82.0	47	S 61° W
Berhampore	29.680	84.6	15	N 36° E
Gya		83.1	43	S 49° W
Patna	29.664	81.5	20	S 7° E
Monghyr	29.656	82.3	35	S 33° W
Barjeeling	29.685	82.0	33	S 28° E
Gowalparah	29.674	80.6	35	S 46° E
Shillong	29.688	82.1	20	S 40° W
Benares	29.672	82.7	55	S 69° W
Roorkee	29.621	85.6	9	S
Shillong (1st—15th August)	29.685	93.7	3	N 78° E

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17 on the preceding page by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous table.

CALCUTTA,  
The 30th September 1871.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.



**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 22nd to 30th September 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.		
		Inches.	°	°	°	°	°	°			H	Miles.	In.	
Sept.	22nd	29.655	88.0	79.5	144.0	82.1	80.0	78.5	0.89	S E	...	104.9	0.25	Cirri and overcast. Thunder at 1½, 2½, and 3 P.M. Slight rain at 10 A.M., and from 1½ to 7 P.M.
	23rd	64.9	82.6	79.5	114.0	80.5	79.1	78.1	.93	E S E, S E, & S S E	...	125.7	0.20	Stratoni and overcast. Lightning on N. at midnight and 1 A.M. Slight rain after intervals.
	24th	72.6	83.3	79.1	...	80.4	79.2	78.4	.94	S S E & S E	...	223.8	0.36	Overcast and stratoni. Slight rain from 1 to 3, at 8½, 9, 10½ A.M. and 1 P.M.
	25th	80.6	87.9	78.5	149.2	82.8	79.9	77.9	.86	S S E & S	...	167.4	0.07	Clear, cirri and cumuli. Slight rain at 12½ A.M.
	26th	79.0	87.8	78.5	147.0	82.5	79.7	77.7	.86	S & S by W	...	134.6	0.16	Chiefly cirri. Rain at 12½ A.M.
	27th	80.9	88.7	78.7	148.8	83.4	79.6	76.9	.81	S by W & S S W	...	97.4	...	Cirri and cumuli.
	28th	81.2	89.5	79.5	147.0	84.2	80.1	77.2	.80	S S W, S by W & S	...	99.6	...	Cirri and cumuli.
	29th	80.5	87.4	79.6	140.2	83.3	80.2	78.0	.85	S & S by W	...	106.1	...	○ Cirri and clear.
	30th	76.2	89.8	80.0	147.0	84.3	80.2	77.3	.80	S by W & S S W	...	134.3	...	Cirri and cirrostrati. Lightning from 6½ to 8 P.M.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past nine days	...	11.3
The max. temperature during the past nine days	...	89.8
The max. temperature during the corresponding period of the past year	...	90.4
The mean humidity during the past nine days	...	0.86
The mean humidity during the corresponding period of the past year	...	0.85
		Inches.
The total fall of rain from 22nd to 30th	... { by lower rain gauge	1.04
	... { by anemometer gauge	0.91
Ditto ditto average of seventeen previous years	...	2.59
Ditto between the 1st January and the 30th September	...	86.28
Ditto ditto ditto ditto, average of seventeen previous years...	...	62.66

CALCUTTA,  
The 2nd October 1871.

GOPEKNAUTH SEN,  
In charge of the Observatory.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 16th September 1871, on 1,280 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total traffic receipts.
	Number of passengers.	Coaching receipts.			Weight carried.	Receipts.			
		Rs. As. P.	£ s. d.		Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	87,989	95,961 4 4	8,796 9 0	455,205 10	2,58,474 3 3	23,693 9 5	32,489 18 5		
Or per mile of railway ...	.....	74 15 6	8 17 5	.....	201 14 11	18 10 3	25 7 8		
For previous 10 weeks of half-year	867,819	10,05,628 7 6	92,182 12 2	4,001,176 0	23,21,002 8 0	212,756 11 3	304,941 3 5		
Total for 11 weeks ...	955,808	11,01,589 11 10	100,979 1 2	4,456,381 10	25,79,476 11 3	236,452 0 8	337,431 1 10		
COMPARISON.									
Total for corresponding week of previous year ...	83,007	1,06,285 4 10	9,742 16 5	479,292 30	3,64,626 6 11	33,424 1 9	43,166 18 2		
Per mile of railway corresponding week of previous year ...	.....	93 14 11	8 12 2	.....	322 4 0	29 10 10	38 3 0		
Total to corresponding date of previous year ...	982,518½	12,43,221 15 8	113,962 0 4	5,323,167 20	37,54,563 15 5	344,168 7 3	458,130 7 7		

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 16th September 1871, on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,377	7,427 2 11	680 16 6	37,248 0	10,540 6 6	966 4 1	1,647 0 7
Or per mile of railway ...	.....	33 4 11	3 1 1	.....	47 4 3	4 6 8	7 7 9
For previous 10 weeks of half-year...	34,754½	83,397 5 10	7,644 15 2	356,192 0	87,465 15 0	8,012 4 3	15,656 19 5
Total for 11 weeks ...	38,131½	90,824 8 9	8,325 11 8	393,440 0	97,946 5 6	8,978 8 4	17,304 0 0
COMPARISON.							
Total for corresponding week of previous year ...	2,906	7,933 15 9	727 5 8	16,904 10	4,627 8 0	424 3 9	1,151 9 5
Per mile of railway corresponding week of previous year ...	.....	35 9 3	3 5 3	.....	20 12 0	1 18 0	5 3 3
Total to corresponding date of previous year ...	36,188½	93,251 6 6	8,548 0 11	184,004 0	57,646 7 2	5,234 5 2	13,832 6 1

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 16th September 1871, on 156½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	17,235	8,046 1 3	737 11 1	10,002 35	1,475 2 9	135 4 5	872 15 6
Or per mile of railway ...	110	51 6 7	4 14 3	32 0	9 6 10	0 17 3	5 11 6
For previous 11 weeks of half-year	265,465½	1,37,585 10 10	12,612 0 5	1,123,529 21½	4,14,033 15 11	37,953 2 3	50,565 2 8
Total for 12 weeks ...	282,700½	1,45,631 12 1	13,349 11 6	1,133,532 16½	4,15,509 2 4	38,088 6 8	51,437 18 2
COMPARISON.							
Total for corresponding week of previous year ...	21,161	11,486 9 9	1,052 18 10	1,15,046 25	31,169 6 2	2,857 3 10	3,910 2 8
Per mile of railway corresponding week of previous year ...	187	101 6 10	9 5 11	1,016 0	275 3 7	25 4 7	34 10 6
Total to corresponding date of previous year ...	265,186½	1,34,159 13 2	12,297 19 10	1,197,280 24	2,47,132 6 3	22,653 16 1	34,951 15 11

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 16th September 1871, on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,378½	509 7 3	50 18 11	7,248 0	242 4 6	24 4 7	75 3 6
Or per mile of railway ...	121	18 3 1	1 16 5	259 0	8 10 5	0 17 3	2 13 8
For previous 24 weeks of half-year	141,835	25,718 9 0	2,571 17 1	240,375 10	7,173 10 0	717 7 3	3,289 4 4
Total for 25 weeks ...	145,213½	26,228 0 3	2,622 16 0	247,623 10	7,415 14 6	741 11 10	3,364 7 10
COMPARISON.							
Total for corresponding week of previous year ...	4,265	759 8 6	75 19 1	8,378 0	556 0 0	55 12 0	131 11 1
Per mile of railway corresponding week of previous year ...	152	27 2 0	2 14 5	299 0	19 13 9	1 19 9	4 14 0
Total to corresponding date of previous year ...	131,898½	22,616 10 6	2,261 13 4	243,969 34	8,648 13 3	864 17 8	3,126 11 0

## EAST INDIAN RAILWAY—MAIN LINE.

*Approximate Return of Traffic for Week ended 23rd September 1871, on 1,280 miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total Traffic Receipts.
	Number of Passengers.	Coaching Receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. S.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	106,692	1,23,817 1 9	11,340 18 1	402,917 30	2,49,497 32 0	22,870 12 6	34,220 10 7
Or per mile of Railway .....	83,357	96 11 8	8 17 4	.....	194 14 9	17 17 4	26 14 8
For previous 11 weeks of half-year	955,808	11,01,589 11 10	100,979 1 2	4,456,381 10	25,79,476 11 3	236,432 0 8	337,451 1 10
Total for 12 weeks ..	1,062,500	12,25,406 13 7	112,828 19 3	4,859,299 0	28,28,974 7 3	259,322 13 2	371,651 12 5
COMPARISON.							
Total for corresponding week of previous year .....	88,357	1,14,824 5 0	10,525 11 3	472,852 10	3,24,756 13 0	29,769 7 6	40,294 18 9
Per mile of Railway corresponding week of previous year .....	.....	101 7 8	9 6 1	.....	287 0 3	26 6 2	35 12 5
Total to corresponding date of previous year .....	1,070,875	13,58,046 4 8	124,487 11 7	5,796,919 30	40,70,820 12 5	373,937 14 9	498,425 6 4

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

*Approximate Return of Traffic for Week ended 23rd September 1871, on 223 miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	3,579	8,586 10 11	787 2 3	27,394 30	9,772 3 0	895 15 8	1,082 17 11
Or per mile of Railway ...	...	38 8 1	3 10 7	...	43 13 2	4 0 4	7 10 11
For previous 11 weeks of half-year	38,131	90,824 8 9	8,325 11 8	393,440 0	97,946 5 6	8,978 8 4	17,304 0 0
Total for 12 weeks ...	41,710	99,411 3 8	9,112 13 11	420,834 30	1,07,718 8 6	9,874 4 0	18,980 17 11
COMPARISON.							
Total for corresponding week of previous year ...	2,739	7,501 3 11	687 12 3	16,409 10	3,713 6 6	340 7 11	1,028 0 2
Per mile of Railway corresponding week of previous year ...	...	33 10 3	3 1 8	...	16 10 5	1 10 6	4 12 2
Total to corresponding date of previous year ...	38,928	1,00,752 10 5	9,235 13 2	200,413 10	61,359 13 8	5,624 13 1	14,860 6 5

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for Week ended 23rd September 1871, on 156½ miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	26,637	13,595 8 6	1,246 5 2	4,288 27	450 6 10	41 5 9	1,287 10 11
Or per mile of Railway ...	170	86 13 11	7 19 3	27 0	2 14 1	0 5 3	8 4 6
For previous 12 weeks of half-year	282,700	1,45,631 12 1	15,340 11 6	1,133,532 16	4,15,509 2 4	38,088 6 8	51,437 15 2
Total for 13 weeks ...	309,337	1,59,227 4 7	14,595 16 8	1,137,821 3	4,15,959 9 2	38,129 12 5	52,725 9 1
COMPARISON.							
Total for corresponding week of previous year ...	31,492	13,737 0 6	1,259 4 7	157,824 4	37,640 4 2	3,450 7 2	4,709 11 9
Per mile of Railway corresponding week of previous year ...	278	121 4 9	11 2 5	1,372 0	332 5 10	30 9 4	41 11 9
Total to corresponding date of previous year ...	296,679	1,47,896 13 8	13,657 4 5	1,355,104 28	2,84,772 10 5	26,104 3 3	39,661 7 8

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for Week ended 23rd September 1871, on 28 miles open.*

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total Traffic for the week ...	3,859	615 5 9	61 10 9	8,734 0	253 14 9	25 7 0	86 18 6
Or per mile of Railway ...	138	21 15 7	2 8 11	311 37	9 1 1	0 18 1	3 2 0
For previous 25 weeks of half-year	145,213	26,228 0 3	2,622 16 0	247,023 10	7,415 14 6	741 11 10	3,364 7 10
Total for 26 weeks ...	149,072	26,843 6 0	2,684 6 9	256,357 10	7,669 13 3	766 19 7	3,451 6 4
COMPARISON.							
Total for corresponding week of previous year ...	4,451	810 8 0	81 1 0	9,798 5	302 4 0	30 4 6	111 5 6
Per mile of Railway corresponding week of previous year ...	159	28 15 2	2 17 11	348 0	10 12 9	1 1 7	3 19 6
Total to corresponding date of previous year ...	136,349	23,427 2 6	2,342 14 4	253,707 39	8,951 1 3	805 2 2	3,237 16 6



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of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, OCTOBER 11, 1871.

## OFFICIAL PAPERS.

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### Beercool as a seaside resort during the months of April, May, and June.

#### NOTE BY THE OFFICIATING CHIEF ENGINEER OF BENGAL.

THE right bank of the lower reach of the Hooghly is low, wet, and unhealthy, down to about the point where the Russulpore river enters. There the alluvial coast is covered by a belt of sand hills, and this formation continues along the rest of the right bank of the river Hooghly, and along the northwestern coast of the Bay of Bengal for several miles.

These sand hills and ridges lie scattered for about twenty-four miles along the coast. They form an irregular line on the inland side, part of the range extending some miles from the sea, while on other spots there is a mere ridge of hills close to the coast. The heights of the hills vary from a few feet to thirty or forty, and the area of the high ground is enough to afford building sites for a considerable number of bungalows.

The ground is the property of zemindars, and it is easily procurable for building purposes at a low rent of, say, one rupee per acre per annum.

The cost of building is moderate, about 30 per cent. less than the Calcutta rates; thatching grass being abundant and cheap.

Beercool may be taken as the centre of the best sites; it is close to the coast, accessible from the sea, and generally well situated. There is a Government bungalow on one of the sites which has been frequently occupied; some experience has thus been gained as to the healthiness and other features of the place. Fresh water is procurable by digging in the sand some ten or fifteen feet deep: but the water takes a season to become quite good. Food is not procurable on the spot; rice, fowl, fish, sheep, and eggs can be had in the villages of the district: but good meat and all articles at all approaching to luxuries must be brought from Calcutta, Midnapore, or Balasore.

There is good riding and walking ground along the sea beach, the bathing is excellent,—a flat sandy shore, and there is some small game shooting. The temperature in the months of April, May, and June is  $5^{\circ}$  below that of Calcutta. The breeze is generally S.W., and considered healthy during these months; but when the rains set in fever becomes prevalent.

There are several routes from Calcutta to Beercool; three only need be noticed.

The best is from Calcutta down the Hooghly and along the coast to a creek near Beercool, where a small landing stage could be put up, and a narrow road made from the stage to the hill. The stage and road would cost about five thousand rupees. A small steamer can run from Calcutta to Beercool during fine weather in twelve or thirteen hours.

A second route is from Calcutta by steamer, to Boga on the Russulpore river, and thence by road to Beercool, the time required for the whole journey being, steamer eight hours, palky dāk about eight hours more.

There is a third route which may be taken by those who may not wish to go by water, viz.: from Calcutta to Diamond Harbour by road, across the river from Diamond Harbour to Cookrahattee, and by road from there to Beercool.

This route will occupy at least twenty-four hours' time. The road too is difficult from Cookrahattee onwards, and palky bearers very scarce.

If a sufficient number of applications for bungalow sites were secured, Government would probably undertake the cost of building the small jetty and making the road thence to the bungalows. And, most likely, the small steamer running to Orissa would call at Beercool or Boga, while the bungalows would be occupied.

This note is published with the object of giving the public all the information available on a subject which may be interesting to them.

The 21st September 1871.

*Statement showing Rainfall, Weather and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 7th October 1871.*

Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
1	Bhaugulpore	... Oct. 7th	Nil.	Favorable	Good, except in the Kishengunge Division.	
2	Monghyr	... „ 7th	Nil.	Bright, with light West wind.	Rice partially damaged. The cold weather crops excellent.	River rapidly going down.
3	Purneah.	... „ 7th	Nil.	Fair and warm	No change.	
4	Rajmehal	... „ 7th	10	Fair	Good, but rain will soon be wanted for high land crops.	
5	Deoghur.	... „ 7th	10	Fair	Good, but rain will soon be wanted for high land crops.	
6	Nya Doomka	... Sept. 30th	1.8	Fine	Low land rice damaged; other crops fair.	
7	Godda	... Oct. 7th	*	Dry	Favorable, except where injured by rain.	No rain gauge. Cattle disease prevailing throughout.
8	Pakour	... „ 7th	Nil.	Clear. Cold weather setting in.	Favorable.	
9	Jamtara	... „ 6th	Nil.	Fine and very seasonable.	Satisfactory.	
10	Patna	... „ 7th	Nil.	Dry, but favorable	Ten anna crop expected; flood fast subsiding.	
11	Gya.	... Sept. 30th	15.3	Rainy, and then fair.	Rice pretty good; other crops much damaged by floods.	
12	Chumparun	... Sept. 30th	15.3	Rainy, and then fair.	Rice pretty good; other crops much damaged by floods.	
13	Sarun	... Oct. 7th	Nil.	Fair and bright	Rice greatly injured by rain. Cold weather crops good.	
14	Shahabad	... „ 7th	Nil.	Fine	Rice promises well where not injured by floods.	
15	Tirhoot	... Sept. 30th	22.2	Stormy and heavy fall of rain.	Heavy damage caused by the unprecedented fall of rain.	
16	Rajshahye	... „ 28th	4.6	Rainy and warm.	Ous reaped. Amun in low lands has suffered and may suffer more, as the water is gradually rising again.	



Number.	District.	Date of return from each district.	Rainfall at Sud-der Station, in inches.	Character of the weather in the district, as far as known.	State and Prospects of the Crops at date.	REMARKS.
17	Bogra	Sept. 29th	2.9	Changeable	Favorable for the most part.	
18	Dinapore	" 30th	3.5	Cloudy and rainy	Favorable.	
19	Maldah	Oct. 5th	0.1	Hot and sultry	Amun good; but cold weather crop sown has been destroyed by a second rise of the Ganges.	Inundation subsiding.
20	Moorshedabad	" 7th	*	Fair	The crops that have escaped destruction by floods and rain are good. The river is falling.	Not received.
21	Pubna	Sept. 30th	1.3	Seasonable	Promising	
22	Rungpore	" 30th	3.6	Rain and sun	Good.	The rivers are rising again.
23	Burdwan	Oct. 7th	0.3	Fair	Favorable.	
24	Bancoorah.	" 7th	0.2	Very fine	Very good.	
25	Beerbhoom	" 7th	0.2	Clear	Very good, except where destroyed by floods.	
26	Hooghly	" 7th	0.2	Clear	Water subsiding. Crops on inundated parts not much injured.	
27	Howrah	" 7th	0.1	Favorable	Good, except in the inundated parts (about 85 square miles.)	
28	Midnapore	" 6th	Nil.	Hot and dry	Kulai destroyed. Cold weather crops not good.	
29	Nuddea	" 7th	0.5	Fair	Crops much damaged; the floods subsiding.	
30	Jessore	" 7th	0.8	Fresh air, but intensely hot.	Good, except in Satkhira and on both sides of the Ichamutty.	
31	24-Pergunnahs	" 7th	Nil.	Fair	Most promising.	
32	Dacca	Sept. 29th	3.4	Fair and dry	Favorable.	
33	Backergunge	" 30th	2.2	Sunny	Rice good. Sugar-cane, the principal crop of the district, is damaged.	Floods subsiding.
34	Furreedpore	Oct. 7th	0.1	Fair, but hot and close.	Rice most promising.	Rivers falling rapidly.
35	Mymensingh	Sept. 30th	1.0	Fine, and then rainy.	Good.	
36	Sylhet	" 30th	3.9	Cool	Excellent.	
37	Cachar	" 30th	1.5	Fair	Generally favorable. The insects have disappeared.	
38	Chittagong	" 29th	1.4	Hot and fine	Good.	
39	Noakhally or Bulloah	" 29th	4.4	Hot and sultry	Good.	
40	Tipperah	" 29th	2.1	Occasional showers.	Good.	
41	Hill Tracts of Chittagong.					
42	Cuttack.					
43	Balasore	Oct. 7th	0.2	Very warm	Good; a little more rain is still needed for the rice crop.	
44	Pooree	Sept. 29th	6.2	Rainy and hot	Generally good.	Cholera has made its appearance at Birkesoripur.
45	Hazareebaugh	Oct. 7th	Nil.	Favorable	Favorable.	
46	Lohardugga.	" 7th	Nil.	Fair	High land rice suffering from want of rain.	
47	Maunbhoom	" 7th	Nil.	Fair	Very favorable.	
48	Singbhoom	Sept. 30th	2.8	Seasonable	Crops late, but looking well.	Water subsided.
49	Durrung	" 25th	0.1	Hot	Favorable.	
50	Newgong	" 30th	3.4	Very sultry and unhealthy.	Favorable.	
51	Seebaugor	" 30th	3.1	Damp, unsettled, and unhealthy.	Favorable.	
52	Kamroop	" 30th	1.7	Rainy	Favorable.	
53	Luckimpore	" 23rd	2.0	Seasonable	Satisfactory.	
54	Khasi and Jynteah Hills	" 29th	1.0	Cloudy and rainy	Favorable.	
55	Naga Hills.	" 30th	5.2	Wet and cloudy	Favorable.	
56	Julpigoree	" 30th	5.1	Wet and rainy	Good.	
57	Gowalparah	" 30th	0.5	Rainy	Good.	
58	Garohills	" 30th	7.3	Seasonable and healthy.	Favorable on the hills: on the terai partially damaged.	Measles have appeared, but not with serious results.
59	Darjeeling	" 30th	7.4	Favorable	Good.	
60	Cooch Behar	" 30th				

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILIAM:  
The 10th October 1871.

C. BEHNARD,  
Offg. Secy. to the Govt. of Bengal.



# Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	Stations.	Rainfall from 18th to 24th Sept. 1871.	Rainfall from 25th Sept. to 10th Oct. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	3.10	0.60	55.08	1st Oct. 1871.	
	{ Jail ...	2.90	1.13	49.53	ditto.	
	False Point ...	1.90	Not received	56.75	24th Sept. 1871.	
	Jajipore ...	1.91	0.19	83.72	1st Oct. 1871.	
	Kendraparah ...	1.30	0.10	44.30	ditto.	
	Jugatsingapore ...	3.10	Nil	47.93	ditto.	
	Sumbulpore ...	0.75	Not received	41.76	24th Sept. 1871.	
	Balasore ...	6.89	1.50	59.11	1st Oct. 1871.	
	Bhuddruck ...	1.23	0.37	52.00	ditto.	
	Pooree ...	6.70	0.96	53.92	ditto.	
CHOTA NAGPORE.	Khoordah ...	2.46	1.84	52.97	ditto.	
	Hazareebangh ...	0.53	0.78	51.40	ditto.	
	Burhee ...	1.62	1.14	49.02	ditto.	
	Pachamba ...	2.39	1.84	57.23	ditto.	
	Ranchee ...	3.38	0.73	61.13	ditto.	
	Palamow ...	3.71	3.86	51.56	ditto.	
	Purulia ...	2.42	0.26	61.00	ditto.	
	Gobindpore ...	1.94	0.31	53.03	ditto.	... From 12th June.
	Chyebassa ...	3.26	0.38	56.00	ditto.	
	Patna ...	3.31	11.10	58.82	ditto.	
PATNA.	Behar ...	2.07	2.33	54.22	ditto.	
	Barh ...	2.54	Not received	35.09	24th Sept. 1871.	
	Dinapore ...	2.55	11.44	57.77	1st Oct. 1871.	
	Gya ...	2.01	1.79	47.93	ditto.	
	Sherghotty ...	0.58	2.91	46.17	ditto.	
	Nowadah ...	2.42	4.73	53.90	ditto.	
	Arungabad ...	1.05	1.43	39.33	ditto.	
	Chumparan ...	0.93	14.40	59.53	ditto.	
	Bettiah ...	0.35	13.30	61.93	ditto.	... From 5th June.
	Chuprah ...	Nil	11.54	74.82	ditto.	
	Sewan ...	1.38	15.22	83.61	ditto.	
	Mozufferpore ...	2.30	20.80	76.29	ditto.	
	Durbhangah ...	0.80	7.70	77.54	ditto.	
	Sectamaree ...	0.90	11.25	63.89	ditto.	
	Tajpore ...	0.42	8.27	52.98	ditto.	... Not recorded, 6th to 10th March.
	Mudhubani ...	0.63	10.12	60.29	ditto.	... From 1st April.
	Hajipore ...	0.93	14.40	50.25	ditto.	... From 22nd May.
	Arrah ...	1.03	5.15	60.44	ditto.	
	Baxar ...	0.45	8.25	72.18	ditto.	
	Sasseram ...	2.17	5.60	52.55	ditto.	
	Bhubhooh ...	0.87	26.16	61.37	ditto.	
BHAUGPUR.	Benares ...	1.85	3.70	55.13	ditto.	
	Bhangulpore ...	2.92	1.43	37.62	ditto.	
	Mudheypoorah ...	3.50	4.30	56.13	ditto.	
	Banka ...	6.48	2.22	48.03	ditto.	
	Soopool ...	2.86	5.70	30.97	ditto.	... From 14th August.
	Monghyr ...	3.48	2.15	57.54	ditto.	
	Jamooie ...	2.24	1.05	47.37	ditto.	
	Bagoosari ...	2.36	0.43	41.39	ditto.	
	Deoghur ...	3.34	Nil	56.16	ditto.	
	Jamtara ...	3.30	0.70	62.33	ditto.	... From 13th February.
	Rajmehal ...	5.89	2.90	73.40	ditto.	... From 12th February.
	Pakour ...	4.46	1.90	48.19	ditto.	... From 21st May.
	Purneah ...	6.05	4.79	80.13	ditto.	
	Kishengunge ...	6.74	Not received	59.41	17th Sept. 1871.	... From 13th June.
	Arraria ...	6.18	ditto	61.82	ditto.	... From 26th June.
RAJSHAHY.	Rampore Beaulah... ..	4.78	Nil	70.87	1st Oct. 1871.	
	Nattore ...	3.00	0.91	80.26	ditto.	
	Bograh ...	4.67	1.89	88.66	ditto.	
	Dinapore ...	1.06	1.87	70.19	ditto.	
	Maldah ...	3.62	5.97	57.17	ditto.	
	Berhampore ...	7.42	1.49	57.25	ditto.	
	Jungipore ...	3.64	1.27	62.72	ditto.	
	Lalbagh ...	6.19	0.75	61.26	ditto.	... From 16th January.
	Jamookandi ...	Not received	Not received	63.60	17th Sept. 1871.	... From 17th April.
	Patna ...	1.53	3.19	68.75	1st Oct. 1871.	
	Serajunge ...	0.79	2.99	73.04	ditto.	
	Rungpore ...	3.60	2.10	93.70	ditto.	
	Bhowanigunge ...	1.51	2.76	65.92	ditto.	... From 22nd January.
	Titaiya ...	5.93	1.91	81.04	ditto.	
BURDWAN.	Burdwan ...	1.96	0.36	62.87	ditto.	
	Cutwa ...	4.56	0.55	95.77	ditto.	
	Chalna ...	1.91	0.10	62.53	ditto.	
	Bood-Bood ...	1.10	Nil	64.40	ditto.	
	Banchoorah ...	2.33	0.65	60.73	ditto.	
	Raneeegunge ...	1.42	1.11	59.98	ditto.	
	Sooree ...	1.83	0.78	59.63	ditto.	
	Hooghly ...	1.20	0.20	72.39	ditto.	
	Serampore ...	1.31	0.22	51.37	ditto.	... From 20th March.
	Jehanabad ...	3.32	0.52	64.10	ditto.	... From 21st April.
	Howrah ...	0.87	0.10	87.03	ditto.	
	Mianapore ...	2.60	0.53	68.41	ditto.	
	Contai { Dy. Collr.'s Office ...	3.37	Nil	69.09	ditto.	
	{ Eng.'s Office ...	3.75	Not received	80.42	24th Sept. 1871.	
	Gurbetta ...	2.99	1.80	60.49	1st Oct. 1871.	... From 6th February.
	Tumlook ...	1.80	Nil	61.46	ditto.	

DIVISIONS.	Stations.	Rainfall from 18th to 24th Sept. 1871.	Rainfall from 25th Sept. to 10th Oct. 1871.	RAIN FROM 1st JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENCY.	Kishanagar	0.75	3.72	57.06	1st Oct. 1871.	
	Bongong	0.96	1.38	71.54	ditto.	
	Ranaghat	1.42	0.07	54.12	ditto.	
	Meherpore	3.94	0.80	60.79	ditto.	
	Chooadangah	3.70	Not received	82.25	24th Sept. 1871.	
	Kooshtea	1.58	1.19	77.25	1st Oct. 1871.	
	Jessore	0.95	Not received	76.79	24th Sept. 1871.	
	Khoolnah	1.66	Nil	75.80	1st Oct. 1871.	From 16th February.
	Jenidah	0.50	Not received	82.96	24th Sept. 1871.	From 6th March.
	Nurail	1.37	ditto	57.40	ditto	From 3rd April.
	Magoorah	0.07	ditto	37.71	ditto	ditto.
	Bagirhaut	1.00	ditto	75.52	ditto	ditto.
	Saugor Island	4.80	0.20	89.90	1st Oct. 1871.	
	Calcutta	1.35	0.23	86.28	ditto.	
	Alipore { Jail	1.61	Nil	90.55	ditto.	
	{ Hospital	1.02	ditto	89.37	ditto.	
	Barrackpore	2.08	Not received	83.59	24th Sept. 1871.	
	Dum-Dum	2.27	ditto	63.38	ditto.	
	Baraset	0.79	ditto	61.01	ditto.	
	Satkerah	0.74	ditto	68.47	ditto.	
	Busseerhaut	0.86	ditto	70.06	ditto.	
	Diamond Harbour	1.83	ditto	79.25	ditto.	
	Barripore	3.14	ditto	83.05	ditto.	
DACCA.	Dacca { Telegraph Office	2.70	ditto	81.18	ditto.	
	{ Jail	3.50	Nil	77.10	1st Oct. 1871.	
	Burrisaul	3.66	1.32	83.81	ditto.	
	Dowlat Khan	5.71	Not received	98.62	24th Sept. 1871.	
	Perozepore	Not received	0.95	85.17	1st Oct. 1871.	Not received 18th to 24th Sept.
	Madaripore	0.80	0.03	72.06	ditto.	
	Furzedpore	1.14	0.14	86.85	ditto.	
	Gomundo	0.64	1.44	51.21	ditto	From 5th June.
	Mymensing	4.29	1.10	102.69	ditto.	
	Jamulpore	6.53	1.65	76.48	ditto.	
	Atteah	Not received	2.32	93.80	ditto	Not received 18th to 24th Sept.
	Kishoregunge	4.79	3.61	103.84	ditto.	
	Sylhet	5.80	Not received	122.48	24th Sept. 1871.	
	Cachar	5.22	ditto	83.29	ditto.	
CHITTAGONG.	Hylakandy	2.11	ditto	82.45	ditto.	
	Koyah	3.28	ditto	92.38	ditto	Not received 31st July to 6th Aug. and 4th to 10th September.
	Chittagong { Telegraph Office	4.60	Nil	94.78	1st Oct. 1871.	
	{ Jail	5.15	0.19	98.77	ditto.	
	Cox's Bazar	5.81	Not received	158.03	24th Sept. 1871.	
	Rangamata Hill	Not received	ditto	85.29	17th Sept. 1871.	
COCKE BEHAR.	Noakhally	7.86	0.08	115.35	1st Oct. 1871.	
	Tipperah	3.51	Nil	90.38	ditto.	
	Brahmanbariah	6.05	Not received	101.50	24th Sept. 1871.	
	Akyab	10.30	1.70	187.53	1st Oct. 1871.	
	Chooch Behar	4.92	2.61	7.53	ditto	From 22nd September.
	Buxa	5.53	3.26	159.25	ditto.	
COCKE BEHAR.	Gawalparah	3.18	3.82	83.92	ditto.	
	Dhobree	3.89	1.94	60.79	ditto	Not recorded 27th Feb. to 6th Mar. and not recieved 11th to 17th Sept.
	Tura (Garo Hills)	5.28	Not received	100.31	24th Sept. 1871	
	Darjeeling { Telegraph Office	Not received	ditto	113.91	15th Sept. 1871	
	{ Hospital	7.14	0.77	115.58	1st Oct. 1871	
	Rungbee	Not received	Not received	158.41	31st Aug. 1871	Not recorded since 6th August.
ASSAM.	Falacottah	ditto	ditto	43.97	6th Aug. 1871	
	Julpigoree	5.15	0.81	90.83	1st Oct. 1871	
	Boda	1.13	1.97	64.08	ditto.	
	Tezporo	1.02	Not received	76.82	24th Sept. 1871.	
	Nowgong	6.50	0.95	115.85	1st Oct. 1871.	
	Mungledye	3.44	Not received	64.40	24th Sept. 1871	From 30th January.
	Burpettah	3.65	ditto	76.34	ditto.	
	Gowhaty	3.98	0.55	55.06	1st Oct. 1871.	
	Sebsaugor	1.78	Not received	107.11	24th Sept. 1871	
	Jorehaut	2.28	ditto	84.54	ditto	From 27th February.
	Golaghat	2.46	ditto	99.69	ditto.	
	Nazeerah	6.36	ditto	101.27	ditto.	
	Debrooghur	1.55	ditto	96.02	ditto.	
	Suddya	Not received	ditto	84.42	3rd Sept. 1871.	
	Shillong	0.48	ditto	62.40	24th Sept. 1871.	
	Cherrapoonjee	5.32	4.55	295.63	1st Oct. 1871	From 18th February.
	Jamooie	2.31	Not received	102.57	24th Sept. 1871.	
	Samooogoodting	3.36	ditto	49.89	ditto.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 7th October 1871.

## Meteorological Telegraphic Report for the period 1st to 7th October 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Oct.											
	1st	10	29.804	29.822	87.7	82.3	78	S S W	...	...	K	
		16	29.704	29.722	89.5	83.0	74	S by W	...	...	N	
	2nd	10	29.792	29.810	87.5	82.0	78	S	...	...	K	
		16	29.681	29.699	90.3	80.6	64	S S W	...	...	CS	
	3rd	10	29.798	29.816	87.7	78.3	63	S by W	...	...		b
		16	29.706	29.724	91.7	79.0	54	W by N	...	...	CS	
	4th	10	29.824	29.842	89.5	79.5	62	W by N	...	...	K	
		16	29.730	29.748	90.8	81.0	63	W N W	...	...	K	
	5th	10	29.792	29.810	87.7	80.0	69	N W	...	...	K	
		16	29.680	29.698	91.6	79.5	55	W N W	...	...	K	
	6th	10	29.762	29.780	83.5	77.5	58	W N W	...	...		b
		16	29.652	29.670	91.5	76.8	49	W S W	...	...		b
	7th	10	29.725	29.743	89.2	80.5	67	W S W	...	...	CS, K	
SAUGOR ISLAND.		16	29.632	29.650	89.0	73.4	44	W by S	...	...	K, CS	
	1st	10	29.814	29.820	85	85	100	S W	11.5*	...	N	b
		16	29.742	29.748	88	83	80	S S W	7.3*	...	N	b
	2nd	10	29.793	29.799	87	84	87	W S W	5.0*	...	N	b
		16	29.706	29.712	90	84	76	S W	8.7*	...	N	b
	3rd	10	29.812	29.818	89	84	80	W N W	4.5*	...	K	b, m
		16	29.728	29.734	91	82	66	W N W	6.3*	...		b, m
	4th	10	29.848	29.854	88	83	80	E S E	4.9*	...	K	b, m
		16	29.744	29.750	91	82	66	N N W	6.7*	...	CS	b, m
	5th	10	29.812	29.818	89	82	73	N W	2.8*	...	K	b
		16	29.704	29.710	91	81	73	W N W	5.9*	...	KS	b, m
	6th	10	29.775	29.781	89	83	76	W N W	6.1*	...	C	b
		16	29.676	29.682	91	83	70	W S W	5.7*	...	KS	b, m
	7th	10	29.733	29.739	90	85	80	W N W	2.1*	...	N	b
CHITTAGONG.		16	29.640	29.646	91	76	63	N N W	3.1*	...	N	b
	Sept. 30th	10	29.809	29.820	85	80	79	Calm	2.9*	...	K, KS	b
		16	29.681	29.700	86	80	75	S W	4.0*	...	K, C	b
	Oct. 1st	10	29.701	29.811	85	79	75	Calm	2.3*	...	K, CK	b
		16	29.665	29.774	86	80	75	S W	3.4*	...	C, CS	b
	2nd	10	29.751	29.861	86	79	72	Calm	3.0*	0.20	K, KS	b, c
		16	29.633	29.742	88	81	72	W	4.5*	...	C	b
	3rd	10	29.728	29.837	86	80	75	N E	3.7*	...	K	b
		16	29.630	29.739	88	81	72	W	4.2*	...	K, C	b
	4th	10	29.755	29.865	88	81	72	Calm	2.3*	...		b
		16	29.647	29.756	88	80	69	W	3.4*	...		b
	5th	10	29.718	29.827	87	80	72	N E	2.7*	...	K, CS	b
		16	29.597	29.706	89	81	69	W	3.3*	...		b
	6th	10	29.693	29.802	88	80	69	N E	2.1*	...	K	b
MADRAS.		16	29.576	29.684	90	81	66	W	4.0*	...		b
	7th	10	29.655	29.765	87	80	72	N	2.4*	...	K	b
		16	29.548	29.658	89	81	69	W	4.0*	...	CS	b
	1st	10	29.856	29.886	84	77	71	S W	10*	...		b, c
		16	29.742	29.772	87	75	55	S W	8*	...		b
	2nd	10	29.835	29.865	85	77	63	S E	4*	0.03		b, c
		16	29.720	29.750	83	77	75	S S E	5*	...		b, c
	3rd	10	29.848	29.878	82	74	66	S	12*	0.01		b, c
		16	29.739	29.769	85	77	68	S E by S	8*	...		b
	4th	10	29.887	29.917	86	77	64	S W	7*	...		b
		16	29.769	29.799	85	78	71	S E by S	9*	...		b, c
	5th	10	29.876	29.906	83	76	71	S W by W	7*	...		b, c
		16	29.765	29.795	85	79	75	S W by W	9*	...		b, c
	6th	10	29.861	29.891	86	77	64	W	7*	0.42		b, c
CUTTACK.		16	29.763	29.793	87	79	68	E by S	6*	...		b, c
	1st	10	29.766	29.846	88	81	72	S S E	0.2*	...	KS	
		16	29.684	29.767	81	77	82	S S W	0.2*	...		
	2nd	10	29.761	29.843	86	80	75	S W	0.1*	0.50	KS	fair
		16	29.654	29.735	91	79	56	N W	0.2*	...		fair
	3rd	10	29.758	29.840	87	77	61	W S W	0.1*	...		fair
		16	29.671	29.752	92	77	48	N N W	0.1*	...		fair
	4th	10	29.815	29.897	88	79	65	N N W	...	...		fair
		16	29.691	29.772	93	80	54	N N W	0.2*	...		fair
	5th	10	29.766	29.848	88	80	69	W	...	...		fair
		16	29.666	29.747	93	79	51	N W	0.3*	...	KS	fair
	6th	10	29.746	29.828	87	77	61	W	0.1*	...		b, fair
		16	29.616	29.697	93	79	51	W N W	0.2*	...		fair
	Sept. 30th	10	29.864	29.879	83	78	78	S	1	...	K, KS, CS	b
AKYAB.		16	29.750	29.765	85	80	79	S S W	1	...	CS, K	b
	1st	10	29.858	29.873	85	80	79	S S E	1	...	K, KS, CS	b
		16	29.747	29.763	86	80	75	S S W	1	...	K	b
	2nd	10	29.811	29.826	84	80	83	S	1	...	K, CS	b
		16	29.695	29.710	87	80	72	S S W	1	...	CS, K	b
	3rd	10	29.792	29.807	84	80	83	N N E	1	...	CS, K	b
		16	29.695	29.710	87	80	72	W N W	1	...	CS, K	b
	4th	10	29.811	29.826	84	80	83	E	1	...	CS, K	b
		16	29.699	29.714	89	83	76	N W	1	...	CS, K	b
	5th	10	29.789	29.804	85	81	83	E	1	...	CS, K	b
		16	29.662	29.677	88	82	76	S W	1	...	CS, K	b
	6th	10	29.759	29.774	85	80	79	E S E	1	...	K, C	b
		16	29.639	29.654	88	82	76	W N W	1	...	C, CS, K	b
	7th	10	29.729	29.744	85	80	79	E	1	...	K	b
		16	29.603	29.618	88	81	72	W N W	1	...	CS, K	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 7th October 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.



## Abstract of Observations as received in the Meteorological Reporter's Office, Calcutta,

DURING THE HALF MONTH 1st TO 15th SEPTEMBER 1871.

N.B.—The Barometric data are reduced for temperatures, and not for height above sea-level.

STATIONS.	BAROMETER.										THERMOMETER.										HUMIDITY.				RAINFALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Height above sea-level.					MEAN OF					SOLAR RADIATION.					Mean of max.		Mean daily range.		Mean of min.		MEAN OF				HIGHEST MAX.		Absolute range.		LOWEST MIN.		MEAN OF				In inches.	No. of days.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
						Range.	22 hours.	16 hours.	10 hours.	Mean.	Max.	Day.	Min.	Day.	Night.	Mean.	4 hours.	10 hours.	16 hours.	22 hours.	Day.	Night.	Mean.	4 hours.	10 hours.	16 hours.	22 hours.	Day.	Night.	Mean.	4 hours.	10 hours.	16 hours.	22 hours.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Port Blair	110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.CALCUTTA,  
The 7th October 1871.

*Mean Pressures and Temperatures of the preceding Table reduced to Sea-Level, with Mean Wind Directions.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.	
			Proportional prevalence, Max.=100.	Mean direction.
Port Blair	...	Not received.		
Madras	...	29.754	35	S 30° E
Vizagapatam	...	29.680	84	S
Akyab	...	29.739	30	S 2° E
False Point	...	29.704	57	S 43° W
Cuttack	...	29.677	50	S 19° W
Saugor Island	...	29.655	67	S 29° W
Chittagong	...	29.746	35	S 41° E
Calcutta	...	29.658	82	S 6° E
Jessore	...	29.671	45	S 18° E
Dacca	...	29.684	25	S 19° E
Cachar	...	29.707	15	N 86° E
Hazareebaugh	...	29.610	59	S 50° E
Berhampore	...	29.656	53	N 46° E
Gya	...	...	55	S 83° E
Patna	...	29.636	41	S 82° E
Monghyr	...	29.630	67	S 78° E
Darjeeling	...	29.707	8	S 69° E
Gowalparah	...	29.669	41	S 71° E
Shillong	...	29.700	9	S 69° W
Benares	...	29.623	60	S 77° E
Roorkee	...	29.662	3	S 45° W

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page by adding the weight of a column of air of the corresponding temperatures given in column 17. For stations of above 500 feet elevation, the reduction is made by Dippe's tables as given in Guyot's "Meteorological and Physical Tables."

*Temperature.*—The temperatures in column 3 are reduced from those in column 17 on the preceding page by adding 1° Fahr. for every 350 feet.

*Wind Direction.*—The mean wind direction and its comparative prevalence are calculated from the whole number of wind observations recorded during the half month. The latter is given as a percentage of the whole number of observations. The mean direction is calculated in the usual way by Lambert's formula.

The above being all comparable, afford the data for constructing a meteorological chart for the half month, which shall show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

CALCUTTA,  
The 7th October 1871.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 1st to 7th October 1871.

Month.	Data.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
		Inches.	°	°	°	°	°	°			lb	Miles.	In.		
Oct.	1st	29.756	90.4	81.5	153.2	84.8	81.0	78.3	0.81	S by W	...	129.0	...	...	Cirri and cumuli. Thunder at 12 $\frac{1}{2}$ A.M., 2 $\frac{1}{2}$ 4 and 5 P.M. Drizzled at 5 $\frac{1}{2}$ P.M.
	2nd	742	90.3	81.0	152.0	85.4	81.0	77.9	.79	S & S by W	...	108.6	...	...	Clear and cumuli.
	3rd	748	91.7	82.0	146.3	86.2	80.0	75.7	.72	S by W & W by N	...	83.1	...	...	Clear and cirrostrati.
	4th	773	92.0	81.5	148.6	86.0	80.2	76.1	.73	W by N, W N W & N W	...	67.3	...	...	Clear and cumuli.
	5th	746	91.6	81.0	149.7	86.2	80.0	75.7	.72	N W & W N W	...	69.8	...	...	Clear and cumuli.
	6th	714	91.8	82.0	152.0	86.2	79.1	74.1	.68	W N W & W S W	...	73.2	...	...	Clear and cumuli.
	7th	675	90.6	80.5	153.3	85.1	78.2	73.4	.69	W S W & W by S	...	79.3	...	...	Clear, cirrocumuli and cumuli.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1 $\frac{1}{2}$  feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	11.5
The max. temperature during the past seven days	...	92.0
The max. temperature during the corresponding period of the past year	...	91.2
The mean humidity during the past seven days	...	0.73
The mean humidity during the corresponding period of the past year	...	0.84
		Inches.
The total fall of rain from 1st to 7th	... { by lower rain gauge	Nil.
	... { by anemometer gauge	Nil.
Ditto ditto average of seventeen previous years	...	1.85
Ditto between the 1st January and the 7th October	...	86.28
Ditto ditto ditto ditto, average of seventeen previous years...	...	64.50

CALCUTTA,  
The 9th October 1871.

GOPEENAUTH SEN,  
In charge of the Observatory.



## IRRIGATION BRANCH, PUBLIC WORKS DEPARTMENT, BENGAL.

## ORISSA CIRCLE.

Statement showing the amount of Traffic and Tolls on the Kendraparah Canal during the month of August 1871.

DISTANCE FROM CUTTACK TO TERMINAL LOCK AT TIDE WATER, 42 MILES.

LOCAL TRAFFIC.				TRAFFIC BETWEEN CUTTACK AND SEA-BOARD.				STORES AND MATERIALS FOR IRRIGATION WORKS.				ABSTRACT.			
Number of boats.	Nature of cargo.	TONNAGE.		Approximate value of cargo.	Nature of cargo.	TONNAGE.		Approximate value of cargo.	Nature of cargo.	TONNAGE.		Value of traffic.	Tonnage.	Ton mileage.	Tollage.
		Maunder.	Tons.			Maunder.	Tons.			Maunder.	Tons.				
56	Rice	374	...	389	3 Rice	309	...	389	...	984	...	7,632	...	11,240	...
7	Paddy	1,954	...	5,131	47 Paddy	10,262	...	5,131	...	...	...	441	...	45,444	...
16	Passengers.	2,335	...	...	7 Passengers	1,745	...	...	...	...	...	1,082	...	...	...
...	21 in No.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Jaggery	701	...	13,590	12 Jaggery	2,718	...	13,590	...	792	...	445	...	4,484	...
1	Salt	945	...	5,610	5 Salt	1,122	...	5,610	...	2194	...	...	...	...	...
5	Mustard seeds.	1,231	...	1,897	8 Gingelly seed	7,589	...	1,897	...	780	...	...	...	...	...
22	Empty	1,842	...	8,550	2 Spices	1,710	...	8,550	...	930	...	...	...	...	...
...	...	...	...	10,440	1 Hides	1,044	...	10,440	...	...	...	...	...	...	...
...	...	...	...	...	29 Empty	3,714	...	...	...	...	...	...	...	...	...
56		7,082	12,318	441	114	30,308	1082	45,617	45,444	5,500	200	53,094	1,723	61,188	554 6 2

Remarks.

Owing to the occurrence of very heavy floods on the 3rd and 4th of the month the Locks both at Juggutpore and at Maraghat became choked up with sand to such a degree as to seriously impede traffic.

The tonnage shown above is that of the boats and not of the cargo.

## IRRIGATION BRANCH, PUBLIC WORKS DEPARTMENT, BENGAL.

## ORISSA CIRCLE.

*Statement showing the amount of Traffic and Tolls on the First Section of the High Level Canal during the month of August 1871.*

LENGTH OF CANAL OPEN, 26 MILES.

LOCAL TRAFFIC.										STORES AND MATERIALS FOR IRRIGATION WORKS.										ABSTRACT.				
Number of boats.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Ton mileage.	Tollage.	Number of boats or rafts.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Ton mileage.	Tollage.	Number of boats.	Nature of traffic.	Value of traffic.	Ton mileage.	Tollage.						
			Mauuds.	Tons.						Mauuds.	Tons.													
14	Empty	Rs. As. P.	587	...	...	Rs. As. P.	11	White stones..	215 0 0	4,314	...	...	Rs. As. P.	...	...	...	...	Rs. As. P.						
13	Passengers	...	...	...	...	...	1	Charcoal	5 0 0	170	...	...	...	...	...	...	...	...						
2	Jaggery	210 0 0	180	...	...	...	7	Laterite stone	116 12 0	4,740	...	...	...	...	...	925 8 0	1,405	24 4 3						
1	Charcoal	8 0 0	231	...	...	...	5	Firewood	91 0 0	3,046	...	...	...	...	...	...	...	...						
1	Cotton thread	75 0 0	96	...	...	...	3	Treasure	15,000 0 0	109	...	...	...	...	...	16,127 12 0	12,180	165 12 11						
3	Firewood	21 0 0	676	...	...	...	26	Empty	...	3070	...	...	...	...	...	...	...	...						
1	Salwood planks	15 0 0	27	...	...	...	1	Doors	200 0 0	65	...	...	...	...	...	...	...	...						
3	Straw	36 8 0	431	...	...	...	3	P steamer	...	2,830	...	...	...	...	...	...	...	...						
1	Furniture	500 0 0	96	...	...	...	1	Juniper	...	145	...	...	...	...	...	...	...	...						
1	lice	60 0 0	50	...	...	...	1	Shutter	500 0 0	405	...	...	...	...	...	...	...	...						
40		925 8 0	2,374	85	1,405	24 4 3	69		16,127 12 0	18,984	677	12,180	165 12 11	99		17,053 4 0	13,586 <sup>1</sup> / <sub>2</sub>	190 1 2						

The tonnage shown is that of the boats and not of the cargo.										REMARKS.									
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

The tonnage shown is that of the boats and not of the cargo.





## IRRIGATION BRANCH, PUBLIC WORKS DEPARTMENT, BENGAL.

## ORISSA CIRCLE.

*Statement showing the amount of Traffic and Tolls on the Machgong Canal during the month of August 1871.*

LENGTH OF CANAL OPEN, 15 MILES.

STORES AND MATERIALS FOR IRRIGATION WORKS.							ABSTRACT.							REMARKS.
Number of boats or rafts.	Nature of cargo.	Ap- proxi- mate value of cargo.	TONNAGE.		Ton mile- age.	Tollage.	Number of boats.	Nature of traffic.	Value of traffic.	Tonnage.	Ton mile- age.	Tollage.		
			Maunds.	Tons.										
		Rs.				Rs. As. P.			Rs. As. P.			Rs. As. P.	The tonnage shown is that of the boats and not of the cargo.	
4	Lime	270	1,734	...	...	4 5 2	...	Local...	Nil	...	...	Nil.		
4	Empty	...	867	...	...	2 2 7	8	Irrgn. works.	270 0 0	93	442	6 7 9		
8		270	2,601	93	442	6 7 9	8		270 0 0	93	442	6 7 9		

## IRRIGATION BRANCH, PUBLIC WORKS DEPARTMENT, BENGAL.

## SOUTH-WESTERN CIRCLE.

Statement showing the amount of Traffic and Tolls on the Midnapore Section of the High Level Canal during the month of August 1871.  
LENGTH OF CANAL OPEN, 24 MILES.

LOCAL TRAFFIC.										STORES AND MATERIALS FOR IRRIGATION WORKS.					ABSTRACT.			
Number of boats.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Tollage.	Number of boats or rafts.	Nature of cargo.	Approximate value of cargo.	TONNAGE.		Tollage.	Number of boats.	Nature of traffic.	Value of traffic.	Tonnage.	Ton mileage.	Tollage.	REMARKS.
			Maunds.	Tons.					Maunds.	Tons.								
31	Coal	2,837	12,175	...	...	1	Gunny bags...	35	100	...	0 14 0	2,587	Local	5,42,107	11,266	93,154	1,566 1 9	
16	Cotton	19,745	4,175	...	...	1	Planks	30	60	...	0 3 0	9	Iron works	85	19	211	3 13 3	
8	Firewood	137	1,025	...	...	7	Empty	...	400	...	2 12 3	...	...	...	...	...	...	
81	Grain	10,577	16,725	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
17	Hides and horns	24,287	5,475	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
72	Jaggery & sugar	25,000	19,925	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
63	Metals	2,128	20,725	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
212	Miscellaneous	11,650	19,315	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
116	Oil and oilseeds	43,646	30,350	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
39	Paddy and rice	4,634	7,500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
105	Piece goods	78,040	18,075	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
44	Garden produce	4,285	8,025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
44	Pottery	629	10,650	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
61	Salt	34,624	20,750	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
27	Silk and indigo	81,978	4,325	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	June	180	400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Straw	278	3,225	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
31	Tobacco	15,141	7,150	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Tiles	80	1,125	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Lime	335	875	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	Shell	60	625	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	Sand	115	3,800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1	Rafts of timber (37)	2,700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
483	Empty	...	99,050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1,392	Passengers (13,743)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	Mis. revenue	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
22	Free for crossing	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	Police people	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
2,587		5,42,107	3,15,475	11,266	93,154	1,566 1 9	...	65	550	19	3 13 3	2,596	...	6,42,172	11,285	93,365	1,569 15 0	

The tonnage shown above is that of the boats and not of the cargo.

## IRRIGATION BRANCH, PUBLIC WORKS DEPARTMENT, BENGAL.

## SOUTH-WESTERN CIRCLE.

Statement showing the amount of Traffic and Tolls on the Hidgellee Tidal Canal during the month of August 1871.  
LENGTH OF CANAL OPEN, 26 MILES.

LOCAL TRAFFIC.										STORES AND MATERIALS FOR IRRIGATION WORKS.										ABSTRACT.			
Number of boats.	Nature of cargo.	Approximate weight of cargo.	Approximate value of cargo.	TONNAGE.		Ton mileage.	Tollage.	Number of boats.	Nature of cargo.	Approximate weight of cargo.	Approximate value of cargo.	TONNAGE.		Ton mileage.	Tollage.	Number of boats.	Nature of traffic.	Value of traffic.	Tonnage mileage.	Tollage.			
				Mds.	Rs.							Mds.	Tons.										
325	Paddy	49,005	40,980	74,388	...	...	Rs. As. P.	1	Ghooting	160	18	275	...	...	Rs. As. P.	9	Iron. works	223	43	1,088	Rs. As. P.		
92	Rice	3,338	6,151	6,245	...	...	39 9 3	1	Ghooting refuse	250	50	325	...	...	3 10 6	1,023	Local	1,25,210	6,031	1,56,806	13 2 6		
39	Vegetables	68	28	175	...	...	0 14 0	4	Coal	212	155	390	...	...	4 6 0	...	...	...	...	...	...		
39	Salt	7,612	32,549	11,550	...	...	108 1 0	3	Empty	...	...	180	...	...	2 0 6	...	...	...	...	...	...		
5	Jaggery	385	815	605	...	...	12 0 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
7	Firewood	1,493	389	2,405	...	...	12 0 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
2	Straw	50	3	130	...	...	0 10 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
35	Passengers, No. 149	...	...	3,775	...	...	45 8 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
462	Empty	...	...	30,515	...	...	367 13 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
18	Betel	154	405	890	...	...	1 9 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	Crops 124 puns	...	15	...	...	...	1 2 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
3	Fishes	100	15	150	...	...	139 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
56	Tobacco	3,170	2,466	16,800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
7	Pottery	400	167	900	...	...	5 2 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Hotalwood	30	3	80	...	...	0 8 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
9	Mats	1,278	7,595	2,665	...	...	13 5 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
22	Mustard	140	575	420	...	...	2 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Sugar candy	150	2,000	350	...	...	1 13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Koomla stick	50	18	275	...	...	1 6 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
6	Oil cake	207	207	510	...	...	2 8 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
4	Corn	230	1,150	900	...	...	4 8 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Tiles	240	80	600	...	...	3 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
3	Cotton	215	4,300	1,100	...	...	5 8 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
3	Thread	20	1,800	455	...	...	3 2 9 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Clothes	9	900	70	...	...	0 5 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Copper	240	800	600	...	...	3 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Iron	160	800	525	...	...	2 10 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1	Sugar	75	300	450	...	...	2 4 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
2	Coal	1,200	450	1,900	...	...	9 8 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1,023	Tons	70,067	1,25,210	1,08,868	6,031	1,56,806	1,614 7 0	9	...	612	223	1,170	42	1,086	13 2 6	1,032	...	1,25,433	6,0723	1,57,802	1,627 9 6		

The tonnage shown above is that of the boats and not of the cargo.

CALCUTTA,  
The 10th October 1871.

G. A. SEARLE, Lieutenant-Colonel, S. C.,  
Offg. Asst. to Chief Engr., and Lt.-Secy., P. W. D., Irrigation Branch, Bengal.



**GOVERNMENT OF BENGAL.**  
**PUBLIC WORKS DEPARTMENT.**

**Irrigation Branch.**  
**Irrigation Operations of Lower Bengal up to 31st August 1871.**

Circles.	Canal.	WATER SUPPLIED DURING 1871-72.				APPROXIMATE AREA IRRIGATED DURING AUGUST 1871-72.				Total area irrigated up to date during the current year.	RAINFALL.			NAVIGATION RETURNS.					CHIEF IRRIGATION.		REMARKS.
		Full supply depth.	Estimated full discharge in cubic feet per second.	Average depth throughout the month.	Average discharge in cubic feet per second throughout the month.	District.	Area actually receiving water during month in acres.	Of column 8 area receiving water for the first time during current year.	Total of column 8 for all previous months of current year.		Inches during the month.	Inches up to date during the year 1871-72.	Average of ten previous years for the same period.	Nature of traffic.	Number of boats.	Tonnage.	Ton mileage.	Approximate value of goods.	Per column 8.	Per columns 8 and 9.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Orissa	High Level	8	675	4.6	302	Cuttack ..	7,457	781	6,676	7,457	5.93	38.66	40.83	Local Government	40	85	1,406	925	Rice ..	Rice ..	Escape 116 cubic feet per second.
	Kendrapara	7	1,262	4.89	704,131	....	16,219	1,408	14,810	16,219	5.93	38.66	40.83	Local Government	59	677	12,180	16,128	...	...	Ditto 214 ditto ditto.
	Taldunda	8	1,300	6.75	78	....	2,938	613	2,325	2,938	5.93	38.66	40.83	Local Government	114	1,082	45,444	...	...	...	...
South-Western	Midnapore*	8	875	2.25	100	Midnapore	130	...	6,963	5,963	12.63	49.27	52.75	Local Government	16	48	476	445	...	...	* One day's irrigation.
	Panchoorah†	6	240	...	...	Howrah ..	...	...	...	...	12.70	50.45	Not available	Local Govt.	2,587	11,266	93,154	5,42,107	...	...	† No irrigation.
Orissa	Tidal Canal	...	...	...	...	Midnapore...	...	...	...	...	...	...	...	Local Government	9	42	1,086	223	...	...	...
	Aug. 1870.	...	...	...	...	Total ..	26,744	2,803	23,941	32,577	...	...	...	Local Government	1,023	6,031	156,806	1,25,210	...	...	...
	High Level	...	...	...	...	Cuttack ..	22,035	21,655	380	22,035	10.01	27.84	...	...	...	...	...	...	...	...	...
South-Western	Kendrapara	...	...	...	...	Ditto ..	40,000	38,000	2,356	40,356	10.01	27.84	...	...	...	...	...	...	...	...	...
	Taldunda	...	...	...	...	Ditto ..	8,000	8,000	...	8,000	10.01	27.84	...	...	...	...	...	...	...	...	...
South-Western	Midnapore	...	...	...	...	Midnapore	3,741	2,180	26,604	25,784	11.80	30.85	...	...	...	...	...	...	...	...	...
	Panchoorah	...	...	...	...	Howrah ..	600	292	908	500	13.76	39.65	...	...	...	...	...	...	...	...	...
						Total ..	74,276	70,127	29,548	89,675											

The 25th September 1871.

T. M. KIRKWOOD, C. S.,  
Canal Revenue Supdt., Bengal.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 30th September 1871, on 1,280 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total traffic receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	101,993	1,23,418 8 5	11,313 7 4	346,791 0	2,29,292 4 0	21,618 9 1	32,331 16 5
Or per mile of railway ...	.....	96 6 9	8 16 9	.....	179 2 2	16 8 5	25 5 2
For previous 12 weeks of half-year	1,062,500	12,25,406 13 7	112,328 19 3	4,859,299 0	28,28,974 7 3	259,322 13 2	371,651 12 5
Total for 13 weeks ...	1,164,493	13,48,825 6 0	123,642 6 7	5,206,090 0	30,58,266 11 3	280,341 2 3	403,983 8 10
COMPARISON.							
Total for corresponding week of previous year ...	115,778	1,73,667 4 3	15,919 10 0	421,185 0	3,02,150 7 3	27,697 2 6	43,616 12 6
Per mile of railway corresponding week of previous year ...	.....	153 7 9	14 1 4	.....	267 0 7	24 9 7	38 10 11
Total to corresponding date of previous year ...	1,186,653½	15,31,713 8 11	140,407 1 7	6,217,204 30	43,81,471 3 8	401,634 17 3	542,641 18 10

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 30th September 1871, on 223 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,413	8,332 6 4	763 16 1	36,832 20	10,890 11 6	952 9 7	1,716 5 8
Or per mile of railway ...	.....	37 5 10	3 8 6	.....	46 9 6	4 6 5	7 13 11
For previous 12 weeks of half-year...	41,710½	99,411 3 8	9,112 13 11	420,834 30	1,07,718 8 6	9,674 4 0	18,986 17 11
Total for 13 weeks ...	45,123½	1,07,748 10 0	9,876 10 0	457,667 10	1,18,109 4 0	10,826 13 7	20,703 3 7
COMPARISON.							
Total for corresponding week of previous year ...	3,527½	9,232 11 3	846 6 7	18,668 10	6,494 12 11	505 7 2	1,441 13 9
Per mile of railway corresponding week of previous year ...	.....	41 6 5	3 15 11	.....	29 2 0	2 13 5	6 9 4
Total to corresponding date of previous year ...	42,455½	1,09,955 5 8	10,081 19 9	219,081 20	67,854 10 7	6,226 0 3	16,302 0 0

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 30th September 1871, on 156½ miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	32,359½	12,874 14 6	1,180 4 0	6,621 2	727 6 4	66 13 6	1,246 17 6
Or per mile of railway ...	207	82 4 3	7 10 10	55 0	4 10 4	0 8 6	7 19 4
For previous 13 weeks of half-year	309,337½	1,59,227 4 7	14,595 16 8	1,137,821 3½	4,15,959 9 2	38,129 12 5	52,725 9 1
Total for 14 weeks ...	341,677	1,72,102 3 1	15,776 0 8	1,146,442 5½	4,16,486 15 6	38,196 5 11	53,972 6 7
COMPARISON.							
Total for corresponding week of previous year ...	30,333	10,426 2 7	1,780 14 8	1,47,224 8	37,754 5 4	3,460 16 3	5,241 16 11
Per mile of railway corresponding week of previous year ...	268	171 8 6	15 14 6	1,300 0	333 5 11	30 11 2	46 5 8
Total to corresponding date of previous year ...	327,612	1,67,323 0 3	15,337 19 1	1,562,328 36	3,22,526 15 9	29,564 19 6	44,002 18 7

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 30th September 1871, on 28 miles open.

		Rs. As. P.	£ s. d.	Mds. Srs.	Rs. As. P.	£ s. d.	£ s. d.
Total traffic for the week ...	3,821½	587 15 3	58 15 11	10,123 20	325 5 3	32 12 8	91 8 7
Or per mile of railway ...	140,072½	20,843 6 0	2,684 0 9	256,557 10	7,609 13 3	766 10 7	3,451 6 4
For previous 26 weeks of half-year	.....	.....	.....	.....	.....	.....	.....
Total for the half year ...	152,894	27,431 5 3	2,745 2 8	266,469 30	7,996 2 6	799 12 3	3,542 14 11
COMPARISON.							
Total for corresponding week of previous year ...	3,800½	1,095 0 0	109 10 0	9,818 10	552 4 0	55 4 6	164 14 6
Per mile of railway corresponding week of previous year ...	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ...	140,150	24,522 2 6	2,452 4 4	263,526 9	9,503 5 3	950 6 8	3,402 11 0



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, OCTOBER 18, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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### Emigration to British Colonies for the year 1870-71.

From DR. J. GRANT, Protector of Emigrants, Calcutta, to H. L. HARRISON, Esq., Officiating Junior Secretary to the Government of Bengal,—(No. 524, dated Fort William, the 28th September 1871.)

IN obedience to standing order conveyed in your office letter No. 976 of the 19th March 1870, I have the honor to submit herewith tabular statements exhibiting the number and description of coolies who have emigrated to the British colonies for the year 1870-71, the numbers who have returned within the same period, and the amount of their savings and remittances, so far as it has been in my power to ascertain this.

I take this opportunity of reporting that no emigrants have left for any foreign colonies, nor returned therefrom during the above period.

### MAURITIUS.

*Table exhibiting the number and description of East Indian emigrants who have left Calcutta for Mauritius during the year 1870-71, and the numbers returned therefrom during the same period, with the amount of their savings, remittances, &c.*

MAURITIUS COLONY.					REMARKS.
EMBARKED ...	Men	...	...	1,230	Copy of a memorandum furnished by the Emigration Agent for Mauritius:— Rs. 13,738 were remitted through the Mauritius Emigration Agent's office by 28 returned emigrants in the official year nearly ended; many of the others who returned brought bills of exchange for various sums, a good number of sovereigns and other sterling money, besides a fair amount of jewellery; but no estimate could be formed of the value of property thus privately finding its way to this country.
	Women	...	...	494	
	Boys	...	...	90	
	Girls	...	...	74	
	Infants .. { Boys	...	...	24	
	Girls	...	...	25	
RETURNED ...	Total number of souls	...	...	1,937	
	Total statute adults	...	...	1,806	
	Men	...	...	1,203	
	Women	...	...	189	
	Boys	...	...	109	
	Girls	...	...	76	
	Infants .. { Boys	...	...	4	
	Girls	...	...	7	
Total number of souls				1,588	
Total statute adults				1,482½	
Estimated amount of savings brought back by the emigrants				Rs. 13,738	



## WEST INDIES.

Table exhibiting the number and description of East Indian emigrants who have left Calcutta for the colonies of British Guiana and Trinidad during the year 1870-71, and the numbers returned therefrom during the same period, with the amount of their savings, remittances, &c.

		DEMERARA.*		TRINIDAD †		TOTAL.		
EMBARKED	{	Men	...	2,142	...	1,362	3,504	
		Women	...	738	...	494	1,232	
		Boys	...	124	...	84	208	
		Girls	...	70	...	84	154	
		Infants.. {	Boys	...	64	...	36	100
			Girls	...	61	...	27	88
		Total number of souls	...	3,199	...	2,087	5,286	
RETURNED	{	Total statute adults	...	2,977	...	1,940	4,917	
		Men	...	260	...	203	463	
		Women	...	75	...	97	172	
		Boys	...	28	...	40	68	
		Girls	...	31	...	38	69	
		Infants.. {	Boys	...	14	...	11	25
			Girls	...	8	...	4	12
		Total number of souls	...	416	...	393	809	
		Total statute adults	...	364½	...	339	703½	

Estimated amount of savings brought back by the emigrants from Demerara, 58,994\$ 90 cents.

Estimated amount of savings brought back by the emigrants from Trinidad, Rs. 1,27,368-9-0.

\* Per ship *Ganges*, arrived 20th December 1870. These sums include the value of jewellery which the people brought back with them.

† Per ship *Atalanta*, arrived 25th December 1870. These sums include the value of jewellery which the people brought back with them.

PROTECTOR'S OFFICE ;  
Fort William, the 28th September 1871.

J. GRANT, M D.,  
Protector of Emigrants.

## Rainfall, Weather and State and Prospects of the Crops.

Statement showing Rainfall, Weather and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 14th October 1871.

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
1	Bhaugulpore	Oct. 13th	Nil.	Favorable	Rice very good where not destroyed by flood. Rain necessary for rice on high lands; kulai not good.	
2	Monghyr	" 14th	0.5	Excellent	Rice partially damaged; cold weather crops good.	
3	Purneah	Sept. 30th	10.2	Rainy	Much damage done by inundation; cold weather crops good.	
4	Rajmehal	Oct. 14th	Few drops.	Fair	Good, except where destroyed by the overflowing of Goomani.	
5	Deoghur	" 14th	Nil.	Dry and very powerful sun.	Much damage apprehended if there be no rain within a week.	
6	Nya Doomka	" 14th	0.1	Dry and cloudy	A blight is causing injury to rice. More rain required for high lands.	
7	Godda	" 14th	Nil.	Very dry and hot	High lands suffering from want of rain and low lands from the excess of it.	Cattle disease still prevailing.
8	Pakour	" 14th	1.6	Rainy and cloudy	Rain has done good to crops.	
9	Jamtara	" 13th	0.2	Very hot and dry	Rain much required, without which much loss apprehended.	
10	Patna	" 14th	0.4	Dry	In the Dinapore sub-division some 13 annas crops destroyed, and in the rest of the district 4 annas.	Floods have done great good to the land for the cold weather crops.
11	Gya	" 7th	0.7	Seasonable	Good.	
12	Chumparun	" 7th	Nil.	Fair, with westerly wind.	Rice good, other crops considerably damaged.	
13	Sarun.	" 14th	0.4	Fair and bright	Rice promising.	
14	Shahabad	" 7th	Nil.	Clear and good	Improving in some places	The waters gradually receding.
15	Tirhoot	" 5th	0.1	Very warm	Four annas damaged by floods.	
16	Rajshahye	" 6th	1.4	Sultry	Generally satisfactory.	
17	Bogra	" 7th	Nil.	Very hot and sultry.	Generally very favorable.	
18	Dinagapore	" 13th	3.7	Fair and then rainy.	Amun good; cold weather crops destroyed by a second rise of the Gauges. Kulai bad.	Rivers falling rapidly.
19	Maldah	" 13th	1.7	Dry and then rainy.	Crops that escaped destruction by flood are good. Kulai being sown.	The river is falling very rapidly.
20	Moorshedabad	" 7th	3.1	Seasonable	Promising	
21	Pubna	" 7th	Nil.	Fair	Good.	Rivers still very full, but subsiding.
22	Rungpore	" 13th	3.1	Fair and rainy	Good.	
23	Burdwan	" 7th	Nil.	Hot	Favorable, but the crops will suffer if it does not rain soon.	
24	Bancoorah	" 14th	0.9	Fine	Good.	
25	Beerbhoom	" 14th	2.3	Clear and then rainy.	Rice very good, except where destroyed by floods.	
26	Hooghly	" 14th	Nil.	Favorable	Favorable.	
27	Howrah	" 13th	0.5	Rainy	Good, except in the inundated parts.	
28	Midnapore	" 14th	2.4	Rainy	The rain has done good to the surviving Amun crops.	Rivers fast going down. Fever prevailing in some places.
29	Nuddea	" 14th	2.4	Rainy	The rain has done good to the surviving Amun crops.	
30	Jessore.	" 6th	Nil.	Sultry	Favorable.	
31	24 Pergunnahs.	" 7th	1.1	Sunny	Favorable.	
32	Dacca	" 14th	3.7	Rainy	Good.	
33	Backergunge	" 7th	1.1	Sunny	Favorable.	
34	Furreedpore	" 14th	3.7	Rainy	Good.	
35	Mymensingh.	" 7th	8.4	Cold commencing	Good.	
36	Sylhet	" 7th	8.4	Cold commencing	Good.	

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
37	Cachar	Oct. 7th	2.5	Fair	Very good.	
38	Chittagong	" 6th	0.5	Fine and hot	Favorable.	
39	Noakhally or Bulloah	" 6th	0.3	Very hot and sultry.	Good	Much sickness in the station.
40	Tipperah	" 6th	0.3	Warm	Good.	
41	Hill Tracts of Chittagong.	" 7th	0.2	Very hot	Good, but rain is required.	
42	Cuttack	" 14th	0.4	Good	Excellent.	
43	Balasore	" 6th	Nil.	Very hot and sultry.	Considerable loss has been caused by want of rain, and more apprehended if it does not rain soon.	A blight also is doing some injury.
44	Pooree	" 6th	Nil.	Very hot and sultry.	Considerable loss has been caused by want of rain, and more apprehended if it does not rain soon.	
45	Hazareebaugh.	" 6th	Nil.	Fine, sun very hot	Very favorable.	
46	Lohardugga.	" 14th	Nil.	Fine	Crops suffering much from want of rain.	
47	Maunbhoom	" 7th	Nil.	Seasonable	Rice very favorable.	
48	Singbhoom	" 7th	0.7	Rain and sun	Good.	
49	Durrung	" 7th	2.4	Sultry and unhealthy.	Favorable.	
50	Nowgong	" 7th	1.0	Damp and unhealthy.	Good.	
51	Sebsaugor	" 7th	Nil.	Dry	Favorable.	
52	Kamroop	" 7th	1.9	Dry and fine	Satisfactory.	
53	Luckimpore	" 7th	0.8	Very	Good.	
54	Khasi and Jynteah Hills	" 6th	1.1	Dry	Fair ; more rain required.	
55	Naga Hills.	" 7th	0.4	Rain, thunder, and lightning.	Good.	
56	Julpigoree	" 7th	1.3	Seasonable	Healthy.	
57	Gowalparah	" 7th	0.4	Fair and healthy.	Favorable.	
58	Garohills	" 7th	13.0	Seasonable	Fair.	
59	Darjeeling	" 7th				
60	Cooch Behar	" 7th				

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 17th October 1871.

R. H. WILSON,  
Offg. Under-Secy. to the Govt. of Bengal.



**Weekly Report of Rainfall compiled at the Meteorological  
Reporter's Office.**

DIVISIONS.	Stations.	Rainfall from 25th Sept. to 1st Oct. 1871.	Rainfall from 2nd to 8th Oct. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	0.00	0.50	55.58	8th Oct. 1871.	
	{ Jail ...	1.13	Nil	49.53	ditto.	
	False Point ...	Nil	Not received	56.75	1st Oct. 1871.	
	Jajipore ...	0.19	ditto	83.72	ditto.	
	Kendraparah ...	0.10	ditto	44.30	ditto.	
	Jugatsingapore ...	Nil	ditto	47.93	ditto.	
	Sambulpore ...	Not received	ditto	41.76	24th Sept. 1871.	
	Balasore ...	1.50	Nil	59.11	8th Oct. 1871.	
	Bhuddruck ...	0.37	ditto	52.00	ditto.	
	Poorce ...	0.96	ditto	53.92	ditto.	
CHOTA NAGPORE.	Khoordah ...	1.84	Not received	52.97	1st Oct. 1871.	
	Hazareebangh ...	0.78	Nil	54.40	8th Oct. 1871.	
	Burhee ...	1.14	ditto	49.02	ditto.	
	Pachamba ...	1.84	ditto	57.23	ditto.	
	Ranchee ...	0.73	ditto	61.13	ditto.	
	Palamow ...	3.86	ditto	51.56	ditto.	
	Purulia ...	0.26	ditto	61.00	ditto.	
	Gobindpore ...	0.31	Not received	53.03	1st Oct. 1871	From 12th June.
	Chyebassa ...	0.38	Nil	56.00	8th Oct. 1871.	
PATNA.	Patna ...	11.10	ditto	58.82	ditto.	
	Behar ...	2.33	ditto	54.22	ditto.	
	Barh ...	2.32	ditto	37.41	ditto.	
	Dinapore ...	11.44	ditto	57.77	ditto.	
	Gya ...	1.79	ditto	47.93	ditto.	
	Sherghotty ...	2.91	ditto	46.17	ditto.	
	Nowadah ...	4.73	Not received	53.90	1st Oct. 1871.	
	Arungabad ...	1.48	Nil	39.33	8th Oct. 1871.	
	Chumparun ...	14.40	ditto	59.53	ditto.	
	Bettiah ...	13.30	ditto	61.93	ditto	From 5th June.
	Chuprah ...	11.54	ditto	74.82	ditto.	
	Sewan ...	15.22	ditto	83.61	ditto.	
	Mozufferpore ...	20.80	ditto	70.29	ditto.	
	Durbhangah ...	7.70	ditto	77.54	ditto.	
	Seetamarree ...	11.25	ditto	63.89	ditto.	
	Tajpore ...	8.27	Not received	52.98	1st Oct. 1871	Not recorded, 6th to 12th March.
	Mudhubani ...	10.12	Nil	60.29	8th Oct. 1871	From 1st April.
	Hajipore ...	14.40	ditto	50.25	ditto	From 22nd May.
	Arrah ...	5.15	ditto	60.44	ditto.	
	Buxar ...	8.25	ditto	72.18	ditto.	
	Sasseram ...	5.60	ditto	52.55	ditto.	
BHAUGULPORE.	Bhubhooh ...	0.16	ditto	61.37	ditto.	
	Benares ...	3.70	ditto	55.13	ditto.	
	Bhangulpore ...	1.43	ditto	37.62	ditto.	
	Mudheypoorah ...	4.30	ditto	56.13	ditto.	
	Banka ...	2.22	ditto	48.03	ditto.	
	Soo pool ...	5.70	0.22	31.19	ditto	From 14th August.
	Monghyr ...	2.15	Nil	57.54	ditto.	
	Jamooie ...	1.05	ditto	47.37	ditto.	
	Begoosari ...	0.43	ditto	41.39	ditto.	
	Deoghur ...	Nil	ditto	56.16	ditto.	
RAJSHAHYE.	Jamtara ...	0.70	ditto	62.33	ditto	From 13th February.
	Rajmehal ...	2.90	0.10	73.50	ditto	From 12th February.
	Pakour ...	1.90	Nil	48.19	ditto	From 21st May.
	Purneah ...	4.79	0.20	80.33	ditto.	
	Kishangunge ...	5.84	Not received	65.25	1st Oct. 1871	From 13th June.
	Arraria ...	15.24	ditto	77.06	ditto	From 26th June.
	Rampore Beaulah ...	Nil	0.10	70.97	8th Oct. 1871.	
	Nattore ...	0.91	Nil	80.26	ditto.	
	Bograh ...	1.89	Not received	88.66	1st Oct. 1871.	
BURDWAN.	Dinapore ...	1.87	0.15	70.34	8th Oct. 1871.	
	Maldah ...	5.97	0.14	57.31	ditto.	
	Berhampore ...	1.49	Nil	57.25	ditto.	
	Jangipore ...	1.27	ditto	62.72	ditto.	
	Lalbagh ...	0.75	ditto	61.26	ditto	From 16th January.
	Jamookandi ...	Not received	Not received	63.60	17th Sept. 1871	From 17th April.
	Pubna ...	3.19	Nil	66.75	8th Oct. 1871.	
	Serajgunge ...	2.99	ditto	73.04	ditto.	
	Rungpore ...	2.10	ditto	93.70	ditto.	
	Bhowanigunge ...	2.76	Not received	65.92	1st Oct. 1871	From 22nd January.
BURDWAN.	Titalya ...	1.91	0.15	81.19	8th Oct. 1871.	
	Burdwan ...	0.36	Nil	62.87	ditto.	
	Cutwa ...	0.56	ditto	65.77	ditto.	
	Cuina ...	0.10	ditto	62.53	ditto.	
	Bood-Bood ...	Nil	ditto	64.40	ditto.	
	Bancoorah ...	0.65	ditto	60.73	ditto.	
	Raneegunge ...	1.11	ditto	53.98	ditto.	
	Sooree ...	0.76	ditto	59.69	ditto.	
	Hooghly ...	0.20	ditto	72.39	ditto.	
	Serampore ...	0.23	ditto	51.37	ditto	From 20th March.
BURDWAN.	Jehanabad ...	0.52	ditto	64.10	ditto	From 21st April.
	Howrah ...	0.10	ditto	87.03	ditto.	
	Midnapore ...	0.53	ditto	68.41	ditto.	
	Contai { Dy. Collr.'s Office ...	Nil	ditto	69.09	ditto.	
BURDWAN.	{ Engr.'s Office ...	ditto	ditto	80.42	ditto.	
	Gurbetta ...	1.98	ditto	60.49	ditto	From 6th February.
	Tumlook ...	Nil	ditto	61.46	ditto.	

DIVISIONS.	Stations.	Rainfall from 25th Sept. to 1st Oct. 1871.	Rainfall from 2nd to 8th Oct. 1871.	RAIN FROM 1ST JANUARY 1871.		REMARKS.
				Rain.	Up to date.	
PRESIDENT.	Kishnaghur ...	3.72	Not received	57.06	1st Oct. 1871.	
	Bongong ...	1.38	ditto	71.54	ditto.	
	Ranaghat ...	0.07	ditto	54.12	ditto.	
	Meherpore ...	0.80	ditto	60.79	ditto.	
	Choudangah ...	Not received	ditto	82.25	24th Sept. 1871.	
	Kooshita ...	1.19	0.01	77.26	8th Oct. 1871.	
	Jessore ...	0.95	Nil	77.74	ditto.	
	Khoolnah ...	Nil	ditto	75.80	ditto.	From 16th February.
	Jenidah ...	ditto	Not received	82.96	1st Oct. 1871.	From 6th March.
	Nurail ...	ditto	ditto	57.40	ditto.	From 3rd April.
	Magoorah ...	ditto	ditto	37.71	ditto.	ditto.
	Bagurhaut ...	1.30	ditto	76.82	ditto.	ditto.
	Sangor Island ...	0.20	Nil	89.90	8th Oct. 1871.	
	Calcutta ...	0.23	ditto	86.28	ditto.	
	Alipore { Jail ...	Nil	Nil	90.55	ditto.	
	Hospital ...	ditto	ditto	89.37	ditto.	
	Barrackpore ...	Not received	Not received	83.59	24th Sept. 1871.	
	Dum-Dum ...	ditto	ditto	63.38	ditto.	
	Baraset ...	ditto	ditto	64.01	ditto.	
	Satkherah ...	ditto	ditto	68.47	ditto.	
	Busseerhaut ...	ditto	ditto	70.06	ditto.	
	Diamond Harbour ...	ditto	ditto	79.25	ditto.	
	Barripore ...	ditto	ditto	83.05	ditto.	
Dacca.	Dacca { Telegraph Office ...	Nil	ditto	81.18	1st Oct. 1871.	
	Jail ...	ditto	Nil	77.10	8th Oct. 1871.	
	Burrisaul ...	1.32	Not received	83.81	1st Oct. 1871.	
	Dowlat Khan ...	Not received	ditto	98.62	24th Sept. 1871.	
	Perozepore ...	0.95	Nil	85.17	8th Oct. 1871.	Not received 18th to 24th Sept.
	Madaripore ...	0.03	ditto	72.06	ditto.	
	Furzedpore ...	0.14	0.09	88.94	ditto.	
	Goalundo ...	1.44	Nil	51.21	ditto.	From 5th June.
	Mymensing ...	1.10	Not received	102.69	1st Oct. 1871.	
	Jamalpore ...	1.63	ditto	76.48	ditto.	
	Attenah ...	2.32	ditto	93.80	ditto.	Not received 18th to 24th Sept.
	Kishoregunge ...	3.61	ditto	102.84	ditto.	
CHITTAGONG.	Sylhet ...	Not received	ditto	122.48	24th Sept. 1871.	
	Cachar ...	1.70	ditto	84.99	1st Oct. 1871.	
	Hylakandy ...	1.65	ditto	84.10	ditto.	
	Koyah ...	0.81	ditto	93.19	ditto.	Not received 31st July to 6th Aug. and 4th to 10th September.
	Chittagong { Telegraph Office ...	Nil	0.20	94.98	8th Oct. 1871.	
	Jail ...	0.19	0.41	99.18	ditto.	
	Cox's Bazar ...	Nil	Not received	158.03	1st Oct. 1871.	
	Rangamatee Hill ...	Not received	ditto	85.29	17th Sept. 1871.	
COCH BEHAR.	Noakhally ...	0.08	0.31	115.66	8th Oct. 1871.	
	Tipperah ...	Nil	0.30	90.88	8th Oct. 1871.	
	Brahmanbariah ...	ditto	Not received	101.50	1st Oct. 1871.	
	Akyah ...	1.70	Nil	187.70	8th Oct. 1871.	
	Cooch Behar ...	2.61	4.49	12.02	ditto.	From 22nd September.
	Buxa ...	3.26	2.14	161.39	ditto.	
	Goalparah ...	3.83	Not received	83.92	1st Oct. 1871.	
	Dhoobree ...	1.94	ditto	60.79	ditto.	Not recorded 27th Feb. to 5th Mar. and not received 11th to 17th Sept.
COCH BEHAR.	Tura (Garó Hills) ...	1.41	ditto	101.72	ditto.	
	Darjeeling { Telegraph Office ...	Not received	ditto	113.91	16th Sept. 1871.	
	Hospital ...	0.77	0.42	116.00	8th Oct. 1871.	
	Rungbee ...	Not received	Not received	158.41	31st Aug. 1871.	
	Falacottah ...	ditto	ditto	43.97	6th Aug. 1871.	Not recorded since 6th August.
	Jalpigooree ...	0.81	0.80	91.63	8th Oct. 1871.	
	Boda ...	1.97	Not received	64.08	1st Oct. 1871.	
	Tezporé ...	0.69	ditto	77.51	ditto.	
ASSAM.	Nowgong ...	0.95	ditto	115.95	ditto.	
	Mungledye ...	0.46	ditto	64.80	1st Oct. 1871.	From 30th January.
	Burpettah ...	Not received	ditto	76.34	24th Sept. 1871.	
	Gowhatty ...	0.55	ditto	55.06	1st Oct. 1871.	
	Seebisangor ...	2.72	ditto	100.83	ditto.	
	Jorehaut ...	1.41	ditto	84.95	ditto.	From 22nd February.
	Golaghat ...	2.43	ditto	100.12	ditto.	
	Nazeerah ...	2.16	ditto	101.43	ditto.	
	Debrooghur ...	3.75	ditto	99.77	ditto.	
	Suddya ...	Not received	ditto	84.42	3rd Sept. 1871.	
	Ehillong ...	1.37	ditto	63.77	1st Oct. 1871.	
	Cherrapoonjee ...	4.55	ditto	295.63	ditto.	From 18th February.
	Jaowai ...	3.80	ditto	106.37	ditto.	
	Samogoodting ...	Not received	ditto	49.89	24th Sept. 1871.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 14th October 1871.

## Meteorological Telegraphic Report for the period 8th to 14th October 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. =100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Oct.											
	8th	10	29.759	29.777	89.5	89.0	64	W	...	...	...	b
	18	16	29.653	29.671	90.5	77.3	53	N N W	...	...	K, C	b
	9th	10	29.787	29.805	87.5	78.3	65	N W	...	...	...	b
	18	16	29.668	29.686	91.0	79.8	60	W N W	...	...	C	
	10th	10	29.787	29.805	87.5	79.0	67	W N W	...	...	CK	
	18	16	29.684	29.702	91.7	80.5	58	W N W	...	...	C, K	
	11th	10	29.814	29.832	84.5	80.4	83	E N E	...	0.04	S, N	
	18	16	29.698	29.716	83.0	81.0	91	E	...	0.85	...	o
	12th	10	29.778	29.796	81.7	80.5	93	E S E	...	...	...	o, d
	18	16	29.689	29.698	77.5	78.4	95	S E	...	...	...	o
	13th	10	29.834	29.852	81.4	79.3	91	W by S	...	0.60	...	o
	18	16	29.751	29.769	84.0	79.8	83	S by W	...	...	S, C	
	14th	10	29.903	29.921	82.7	80.0	87	S by W	...	...	K	
	18	16	29.814	29.832	83.0	79.0	83	E by S	...	0.47	S, K	
SAUGOR ISLAND.	8th	10	29.706	29.772	88	82	78	N N W	3.4*	...	C	b, m
	18	16	29.667	29.673	91	80	60	N N W	6.8*	...	K, S	b
	9th	10	29.796	29.803	88	81	72	N W	3.4*	...	K	b, m
	18	16	29.697	29.703	91	81	63	N N W	3.8*	...	K	b, m
	10th	10	29.701	29.707	89	82	73	N N W	4.7*	...	N	b, m
	18	16	29.711	29.717	91	82	66	N N W	6.8*	...	S	b, m
	11th	10	29.783	29.789	88	83	80	N E	5.7*	...	...	o, u, n
	18	16	29.724	29.730	79	67	50	S E	6.4*	...	N	d, o, u
	12th	10	29.772	29.773	79	78	95	E S E	7.4*	1.50	N	r, o, u
	18	16	29.688	29.694	82	80	91	W	3.4*	0.10	N	o, u, v
	13th	10	29.865	29.871	82	80	91	N	8.2*	0.10	N	b, v, g, u
	18	16	29.759	29.765	83	81	91	S S E	4.7*	...	N	o, v, g
	14th	10	29.934	29.940	86	82	83	W S W	5.8*	...	N	u, v, g
	18	16	29.831	29.837	87	81	76	S	6.9*	...	N	b
CHITTAGONG.	8th	10	29.655	29.705	88	81	72	N E	3.5*	...	K	b
	18	16	29.558	29.667	89	82	73	W	2.9*	...	CS	b
	9th	10	29.695	29.704	88	82	76	Calm	2.2*	...	K	b
	18	16	29.611	29.720	88	82	76	W	4.6*	...	K, KS	b, l
	10th	10	29.725	29.834	87	82	79	S W	2.1*	...	K, KS	b
	18	16	29.635	29.744	86	81	79	W	4.0*	...	K, K	t
	11th	10	29.790	29.901	85	78	71	E S E	2.6*	...	K	b
	18	16	29.691	29.801	83	78	78	S W	14.1*	...	K, KS, C	b, q
	12th	10	29.788	29.899	85	77	68	S	4.7*	0.10	K, KS	b, v
	18	16	29.683	29.793	82	78	82	S	12.8*	...	C, CK	b, v
	13th	10	29.795	29.903	77	78	95	E S E	5.6*	0.50	N	d, u, g
	18	16	29.741	29.852	80	77	86	S W	11.1*	1.00	N	d, u, g
	14th	10	29.862	29.974	81	77	82	E S E	3.1*	...	K, CK, KS	u
	18	16	29.773	29.884	83	79	83	W S W	9.3*	...	K	b
MADRAS.	7th	10	29.824	29.854	87	78	65	W	8*	...	...	ba
	18	16	29.727	29.757	83	76	71	S S E	4*	0.21	...	ba
	8th	10	29.816	29.846	89	78	59	N W	5*	...	...	b
	18	16	29.723	29.753	91	78	53	E S E	8*	...	...	m
	9th	10	29.846	29.876	88	75	52	W	7*	...	...	lc
	18	16	29.744	29.774	93	74	39	N N W	7*	...	...	ba
	10th	10	29.856	29.886	90	76	50	W	5*	...	...	ba
	18	16	29.757	29.787	83	73	60	N W by W	4*	...	...	ba
	11th	10	29.838	29.868	89	77	56	W by S	8*	...	...	b
	18	16	29.720	29.750	89	79	62	E	4*	...	...	lc
	12th	10	29.831	29.861	87	76	58	S W	5*	...	...	b
	18	16	29.710	29.740	88	79	65	E	9*	...	...	ba
	13th	10	29.843	29.873	86	76	61	E	7*	...	...	b
	18	16	29.726	29.756	86	76	61	S E by E	8*	...	...	c
CUTTACK.	7th	10	29.696	29.778	88	76	55	N N W	0.2*	...	...	fair
	18	16	29.599	29.680	93	78	48	N N W	0.2*	...	...	fair
	8th	10	29.726	29.808	88	78	62	N N W	...	...	...	fair
	18	16	29.610	29.700	92	77	48	N N W	0.3*	...	...	fair
	9th	10	29.756	29.838	87	79	68	W	...	...	...	fair
	18	16	29.651	29.732	93	77	45	N N W	0.2*	...	C	fair
	10th	10	29.768	29.850	86	75	57	S W	0.1*	...	C	
	18	16	29.621	29.703	87	78	65	N N W	0.2*	...	CK, KS	
	11th	10	29.774	29.857	82	76	74	W S W	0.3*	...	C, KS	
	18	16	29.676	29.758	85	79	75	W N W	...	...	N	o, u
	12th	10	29.752	29.834	83	76	71	W	0.1*	...	KS, CK	o
	18	16	29.665	29.748	87	79	68	W S W	0.2*	...	N, KS, C	
	13th	10	29.781	29.863	86	77	64	S W	0.1*	...	KS	fair
	18	16	29.694	29.776	86	79	72	S S W	0.3*	...	N	cloudy
AKYAP.	8th	10	29.710	29.725	85	81	83	E	1	...	K, C, CS	b
	18	16	29.633	29.648	84	80	83	W S W	1	...	C, CS, K	b
	9th	10	29.779	29.794	85	80	79	S E	1	0.30	C, CK, K, KS	b
	18	16	29.687	29.702	86	81	79	S	1	...	C, CS, K, CK	b
	10th	10	29.816	29.831	86	80	75	S S E	2	...	C, K	b
	18	16	29.735	29.750	83	79	83	S S W	1	...	C, K, KS	g
	11th	10	Not received.									
	18	16	29.884	29.899	83	78	78	S E	1	0.50	C, CS, K	b
	12th	10	29.781	29.796	84	79	79	S	1	...	C, CS, K	b
	18	16	29.899	29.914	81	77	82	S	1	0.20	CK, KS	b
	13th	10	29.808	29.823	85	77	83	S W	1	...	C, K, CS, CK	b
	18	16	29.917	29.932	78	76	90	N	1	1.30	K, KS	o
	14th	10	29.845	29.860	82	78	82	W N W	1	...	C, CK, K	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 14th October 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.



**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 8th to 14th October 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
		Inches.	°	°	°	°	°	°			lb.	Miles.	In.		
Oct.	8th	29.702	90.7	79.5	150.0	84.9	78.3	73.7	0.70	W by S & N W	0.5	76.5	...	...	Clear and cumuli.
	9th	727	91.5	79.0	149.0	85.1	78.9	74.6	.72	N W & W N W	...	66.2	...	...	Clear and cumuli.
	10th	738	91.7	81.3	147.5	86.0	80.2	76.1	.73	W N W	...	71.5	...	...	Clear, cirrocumuli, and cumuli.
	11th	738	85.3	79.5	...	82.8	80.5	78.0	.88	W N W & S E	...	80.1	0.89	...	Stratoni, overcast, and cirri. Thunder at 6½ A.M., 1 and 2½ P.M. Rain at 8, 11½ A.M., 1, 2½, 4½, and 6 P.M.
	12th	718	82.0	77.5	...	79.5	78.2	77.3	.93	S E, E S E & E	...	122.5	0.60	...	Chiefly Overcast. Rain at 4, 10, 11, A.M., and from 2 to 6 P.M.
	13th	766	84.0	78.0	127.0	80.5	78.5	77.1	.90	S by W	...	108.5	...	...	Overcast and stratoni.
	14th	858	84.3	78.5	135.5	80.8	78.6	77.1	.89	S by W & S S E	...	59.8	0.47	☉	Cumuli and clear. Lightning on N.W. at 6 P.M.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	14.2
The max. temperature during the past seven days	...	91.7
The max. temperature during the corresponding period of the past year	...	90.8
The mean humidity during the past seven days	...	0.82
The mean humidity during the corresponding period of the past year	...	0.80
		Inches.
The total fall of rain from 8th to 14th	... { by lower rain gauge	1.96
	... { by anemometer gauge	1.74
Ditto ditto average of seventeen previous years	...	1.19
Ditto between the 1st January and the 14th October	...	88.24
Ditto ditto ditto ditto, average of seventeen previous years	...	65.69

CALCUTTA,  
The 17th October 1871.

GOPEENATH SEN,  
In charge of the Observatory.

No. 43

of 1871



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, OCTOBER 25, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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Extract from the Supplement to the *Gazette of India*, dated 7th October 1871..

### GOVERNMENT OF INDIA. HOME DEPARTMENT.

#### Discipline and management of Prisons in Her Majesty's Colonial possessions.

Copy of a circular despatch addressed by the EARL OF KIMBERLEY to the Governors of Colonies,—dated Downing Street, London, the 15th April 1871.

I TRANSMIT to you copies of a paper presented to Parliament, containing further correspondence respecting the discipline and management of prisons in Her Majesty's colonial possessions.

This is the third series of correspondence presented to Parliament arising out of the digest and summary relative to colonial prisons which accompanied the Duke of Buckingham's circular despatch of the 18th of June 1867.

That digest embodied in its second part an able and succinct statement of the chief conclusions drawn from the experience of this country and of others in the management and discipline of prisons. The papers now enclosed, as well as those enclosed in Lord Granville's circular despatch of the 28th of June 1869, show the progress which has been made in the several colonies to which they relate in giving effect to the principles laid down in 1867, and it may be convenient that I should shortly review the results of colonial experience as modifying or confirming rules grounded solely or chiefly on English experience.

I.—As to prison diet, the result of the correspondence which has passed is, I think, that while it does not conflict with the opinion expressed in the digest (page 75), that "hard fare ought to be made an instrument of punishment," it very much strengthens an opinion previously expressed in the same document (page 73), that "the proper amount and nature of prison diet is, more than any other part of prison discipline, a local question." The constituents of diet vary, of course, in different countries, as well as the climates and races of men, and equivalent measures of nourishment can be only approximately reached. But apart from the differences thence arising, you will find, on examining the correspondence, that nothing in it is more remarkable than the difference of the conclusions arrived at on this subject by well-informed and intelligent authorities under conditions to all appearances substantially the same.



Thus, while the Inspector of Prisons in Antigua (Parl. Paper, 1870, page 21), considers the negro prisoners of that island overfed on a diet which is equivalent to 176 oz. of white bread a week, the authorities of Mauritius, both civil and medical (Parl. Papers, 1868, page 84, § 21), do not consider as excessive a scale of diet equivalent on the average to about 250 oz. of bread a week. The difference of constitution between negroes and coolies cannot account for this divergence, and, indeed, might have been expected to bear the other way.

While therefore Her Majesty's Government continue to regard as highly important the principle of making hard fare a material element of prison discipline, they are not to be understood as aiming at uniformity on the subject, or as advising the indiscriminate adoption in the colonies of rules founded solely on English experience. They recommend, however, a close and careful attention to the considerations having a general applicability, which are set forth at pp. 73-6 of the Prison Digest, Part II. (Parliamentary copy), and the regulation in each case of diets by the results of practice and cautious experiment.

II.—With respect to classification, I have to call your attention to an error not unfrequently committed in classifying prisoners according to the technical designation of their offences, as felonies or misdemeanours. It was in pursuance of no defined system that crimes which had previously been misdemeanours, or had not been offences at all, came to be included amongst felonies. Some comparatively trivial offences are classed as felonies, and some grave crimes (as for example perjury and misappropriation of trust money) are misdemeanours. I speak of the law as it is in England, and I am not aware that in the colonies, where English law is in force, the division has been made more systematic. It will be found preferable that offenders should, as a general rule, be classified rather by the nature and measure of the sentence than by the legal term for the offence.

III.—In the prison correspondence there has been some denial of the expediency of applying the separate system to uncivilized or semi-civilized races. But I may refer to the decided opinion of Governor Hincks, as quoted at page 79 of the Prison Digest (Parliamentary copy) in its favor. "Real solitary confinement," he writes, "would produce the same effect on a black as on a white man;" and, independently of Sir Francis Hinck's high reputation as a Colonial Governor, his opinion on this question is of peculiar weight, as the penal settlement of British Guiana afforded him experience of the separate system on a large scale, unattainable elsewhere, I believe, in the tropical colonies. Mr. Longden, also, now Governor of Trinidad, writing from British Honduras, on the 22nd of January 1870 (Parl. Paper, 1870, page 4), speaks of solitary or separate confinement as a more salutary punishment than corporal punishment, and (according to his experience in Dominica) the only punishment prisoners really fear. Whatever may be the value of the considerations urged against the separate system, the following passage from a report of a Committee of the Legislative Assembly of New South Wales points at evils in the associated system which would go far to determine the question between the two systems. "The brutalizing effect" (of association) "upon the prisoners is admitted by all, and it is described by some as terrible in depravity. Practices grossly obscene are common, and on evidence possessing the consistency of truth, and which your committee do not feel warranted in doubting, unnatural crimes of the deepest dye are committed. The clergymen in attendance complain that as the men are never alone for a single hour during the whole time of their sentence, they literally have no opportunity for the exercises of religion, even if they are so disposed, and similar complaints are made by the men themselves" (Parl. Papers, 1868, page 102). This is written of men of European origin, but I am not aware that such things are less to be apprehended amongst depraved men of other races.

IV.—On the point of hard labour the tenor of the correspondence goes strongly to confirm the opinion expressed in the digest, and constantly reiterated by my predecessors and myself, that it is a mistake to sacrifice such efficacy of punishment as can only be obtained by penal labour, that is, labour by treadmill, crank, or shot drill, to any consideration of the immediate profit to be derived from the industrial labour of prisoners. The reports from the Governors of those colonies in which penal labour (as above defined) has been introduced are uniformly in its favour. For instance, a Board composed of the chief public officers in Sierra Leone, in a letter of the 27th of September 1869 (Parl. Paper, 1870, page 37), reported very strongly as to the deterrent effect of even a short term of labour on the treadmill. The administrator of St. Lucia, in his Blue Book Report for 1868, mentions that in the first year after the introduction to a limited extent of shot drill, the committals fell off from 592 to 291. In the colony of Ceylon (where the reform of prison discipline has been carried through with conspicuous ability and zeal by a Commission comprising the Chief Justice and other highly qualified public officers) the effect of shot drill and hard fare was reported, as far back as June 1868, to be that a sensible diminution had taken place in the number of habitual criminals; that the fear of shot drill and penal diet was deterring the ill disposed generally from crime; and that the Judges had felt themselves justified in greatly diminishing the scale of their sentences (Parl. Paper, 1870, page 56). In Antigua the effect of an increased severity of discipline (which does not appear to have included the general adoption of shot drill) was to reduce the committals from 822 in 1868 to 647 in 1869, about 26 per cent.; and of this reduction of 175, the diminution of re-commitments amounted to 150 (Parl. Paper, 1870, page 21.)



I need not enlarge upon the significance of these facts. You will find in the correspondence that objections to strictly penal labour sometimes proceed upon the supposition that it is intended absolutely to supplant industrial labour. This has never been recommended by Her Majesty's Government, except in the case of short sentences. And wherever the labour of the prisoners can be utilized by means of the crank or wheel without removing them beyond the precincts of the gaol, those forms of penal labour are obviously to be preferred to shot drill.

I have thought it desirable thus to draw your especial attention to some of the questions raised in the three sets of correspondence with the Governors of colonies on prison discipline, which have been successively laid before Parliament since 1867 and transmitted for your information; but the experience obtained in the colonies and represented in the correspondence forms an important addition to that of this country, and I recommend the study of it to the Governors of colonies and to others concerned in the management of colonial prisons. Attention to the results of these extended inquiries will prevent the undue over-ruling of generally approved principles by mere individual opinion, at the same time care should be taken to note the instances in which further experience or local circumstances point to a modification of the existing system.

I request that you will furnish copies of this despatch to such public officers in the colony under your Government as are connected with the administration of prison discipline.

## Rainfall, Weather and State and Prospects of the Crops.

Statement showing Rainfall, Weather and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 21st October 1871.

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
1	Bhaugulpore	Oct. 20th	0	Favorable	Good.	
2	Monghyr	" 21st	0	Excellent	Favorable.	
3	Purneah.	" 21st	0	Fair and cool	Good; cold weather crops being sown.	
4	Rajmehal	" 21st	0	Fine, but very hot	Good, but rain necessary for high land rice.	
5	Deoghur	" 21st	0.1	Dry	High land paddy being cut; the low land has improved.	
6	Nya Doomka	" 21st	0	Very dry with scorching sun.	Rice suffering for want of rain; cold weather crops promising.	
7	Godda	" 14th	0	Dry, and sun very powerful.	Rice will suffer from want of rain; cold weather crops turning well.	
8	Pakour.	" 20th	0	Fair	Good.	
9	Jamtara	" 14th	0	Cool	Bhadoi cut. Amun good.	
10	Patna.	" 14th	0	Fair and bright...	Rice better than expected.	
11	Gya	" 21st	0	Fair	Cold weather crops good.	
12	Chumparun	" 21st	0	Fair	Rice promising.	
13	Sarun	" 21st	0	Fair	The surviving rice good.	
14	Shahabad	" 21st	0	Very fine	Cold weather crops good.	
15	Tirhoot	" 20th	0	Very warm	Rice good where not destroyed by inundations.	Waters are fast subsiding.
16	Rajshahye	" 12th	1.5	Sultry	Favorable.	
17	Bogra	" 13th	3.1	Cool	Favorable.	
18	Dinagepore	" 14th	0.2	Fair	Improving	
19	Maldah	" 20th	0.4			Rivers have fallen considerably. Good deal of sickness.
20	Moorshedabad.	" 14th	3.7	Rainy	Promising.	
21	Pubna	" 14th	0	Very fair, but the sun is very hot.	Good.	
22	Rungpore	" 21st	0	Fair	Good, but more rain necessary.	
23	Burdwan	" 21st	0	Hot	Crops suffering from want of rain.	
24	Bancoorah	" 21st	0			
25	Beerbhoom.	" 20th	0.2	Fair	Favorable.	
26	Hooghly.	" 20th	0.5	Fair and dry	Favorable.	
27	Howrah.	" 14th	2.7	Rainy	Favorable.	
28	Midnapore	" 7th	0.8	Fine	Good.	
29	Nuddea	" 14th	4.6	Very hot	Very favorable.	
30	Jessore	" 14th	2.2	Rainy and cloudy	Very good.	
31	24-Pergunnahs.	" 14th	1.7	Fine and hot	Favorable.	
32	Dacca	" 13th	4.8	Rainy	Good.	
33	Backergunge	" 13th	2.0	Rainy	Good; somewhere damaged by insects.	
34	Furreedpore.	" 21st	0.5	Partially rainy	More rain wanted. Increasing demand for irrigation.	
35	Mymensingh	" 21st	0.5			
36	Sylhet	" 21st	0.5			
37	Cachar	" 21st	0.5			
38	Chittagong	" 21st	0.5			
39	Noakhally or Bulloah.	" 21st	0.5			
40	Tipperah	" 21st	0.5			
41	Hill Tracts of Chittagong.	" 21st	0.5			
42	Cuttack	" 21st	0.5			
43	Balasore.	" 21st	0.5			
44	Pooree	" 21st	0.5			
45	Hazareebaugh	" 21st	0.5			

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
46	Lohardugga	Oct. 20th	0.3	Fine	...	Favorable, but more rain necessary.
47	Maunbhoom	" 21st	0.1	Fine	...	Crops suffering from want of rain.
48	Singbhoom	" 14th	1.7	Seasonable	...	Very favorable.
49	Durrung	" 14th	0	Rain and sun	...	Good.
50	Nowgong	" 14th	3.0	Sultry	...	Favorable.
51	Sebsaugor	" 14th	1.	Damp and unhealthy.	un-	Satisfactory.
52	Kamroop	" 14th	0	Dry	..	Rice favorable.
53	Luckimpore	" 14th	2.5	Dry and sultry	..	Satisfactory.
54	Khasi and Jynteah Hills.	" 13th	2.3	Fine and then rainy.		Good.
55	Naga Hills	" 6th	0	Cloudy and sultry		Rice promising.
56	Julpigoree	" 20th	0	Fair	...	Fair.
57	Gowalparah	" 14th	0.3	Rainy and cloudy		More rain is necessary.
58	Garo Hills	" 14th	4.4	Seasonable	...	Healthy.
59	Darjeeling	" 14th	0.6	Fine and healthy		Favorable generally.
60	Cooch Behar	" 14th	13.0	Seasonable	...	Fair.

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 24th October 1871.

R. H. WILSON,  
Offg. Under-Secy. to the Govt. of Bengal.



## Meteorological Telegraphic Report for the period 15th to 21st October 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. =100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Oct. 15th	10	29.948	29.966	83.0	79.0	83	S by W	...	...	K	
	16th	16	29.841	29.859	87.8	79.0	65	W	...	...	K	
	16th	10	29.971	29.980	85.6	78.3	71	S by W	...	...	CS	
	17th	10	29.856	29.874	89.0	78.5	64	N	...	...	CS	
	17th	16	29.959	29.977	85.5	77.5	68	N	...	...	K	
	18th	10	29.834	29.852	88.5	73.4	46	W	...	...	K	
	18th	16	29.951	29.969	84.4	75.7	66	W by S	...	...		b
	19th	10	29.841	29.859	87.0	75.3	53	W S W	...	...		b
	19th	16	29.967	29.985	84.0	74.0	60	W S W	...	...		b
	20th	10	29.871	29.889	88.0	72.0	43	W by S	...	...		b
SAUGOR ISLAND.	20th	16	29.974	29.992	84.0	74.3	62	W	...	...		b
	21st	10	29.888	29.906	86.0	73.2	48	E N E	...	...	C	
	21st	16	29.957	29.975	84.0	75.5	65	N E	...	...		b
	15th	10	29.841	29.859	86.7	75.6	58	N N E	...	...	K	
	16th	10	29.969	29.975	85	83	91	W N W	3.5*	...	N	b, g
	16th	16	29.846	29.852	87	82	79	S W	6.1*	...	N	b, u
	17th	10	29.974	29.980	86	82	83	N W	5.9*	...	K	b
	17th	16	29.874	29.880	88	79	65	N N W	7.6*	...	K	b
	18th	10	29.960	29.966	86	81	79	N N W	3.4*	...	K	b, m
	18th	16	29.846	29.852	88	79	65	N N W	4.6*	...	K	b, m
CHITTAGONG.	18th	10	29.967	29.973	86	83	87	S S W	6.5*	...	N	b, m
	19th	10	29.862	29.868	88	79	65	S W	8.7*	...	K	b, m
	19th	16	29.978	29.984	86	81	79	S S W	4.8*	...	K	b, m
	20th	10	29.882	29.888	88	80	69	W	7.0*	...	K	b, m
	20th	16	29.958	29.964	85	76	64	N N W	3.1*	...	K	b, m
	21st	10	29.898	29.904	85	74	57	N	7.0*	...		b, m
	21st	16	29.953	29.959	84	76	67	E N E	6.0*	...	K	b, m
	15th	10	29.839	29.845	85	76	64	N	12.3*	...	K	b
	16th	10	29.887	29.898	85	80	79	N N E	2.4*	...	K	b
	16th	16	29.767	29.878	84	78	75	S W	5.8*	...		b
MADRAS.	17th	10	29.902	30.013	85	79	75	E	5.8*	...	K	b
	17th	16	29.785	29.895	86	78	68	W	4.0*	...		b
	18th	10	29.855	29.966	85	80	79	Calm	2.8*	0.20	K	b
	18th	16	29.745	29.853	87	79	68	W N W	4.9*	...		b
	19th	10	29.892	30.003	85	77	68	N E	2.0*	...	K	b
	19th	16	29.825	29.935	86	76	63	W N W	2.8*	...		b
	20th	10	29.907	30.018	83	79	83	N N E	2.7*	...		b
	20th	16	29.701	29.811	85	74	57	Calm	3.7*	...		b
	21st	10	29.880	29.991	82	73	63	N E	2.9*	...		b
	21st	16	29.797	29.908	85	76	64	W	3.8*	...		b
CUTTACK.	14th	10	29.860	29.971	83	76	71	N	3.4*	...		b
	14th	16	29.765	29.876	85	78	71	W	4.7*	...		b
	15th	10	29.880	29.910	88	78	62	S by E	8*	...		b, c
	15th	16	29.774	29.804	85	77	68	S E	11*	...		b, c
	16th	10	29.937	29.967	88	76	55	S E	5*	0.05		c
	16th	16	29.831	29.841	86	77	64	E	11*	...		c
	17th	10	29.969	29.999	83	77	75	E N E	7*	0.02		b, c
	17th	16	29.859	29.889	83	75	67	E	9*	...		c
	18th	10	29.932	29.962	84	77	71	S W	8*	0.29		c
	18th	16	29.901	29.931	75	74	95	E S E	2*	1.52		c
AKYAB.	19th	10	29.959	29.989	75	73	90	N W	3*	0.42		c
	19th	16	29.836	29.866	82	78	82	N W by N	3*	0.03		c
	20th	10	29.965	29.995	84	78	75	S W	4*	0.62		c
	20th	16	29.870	29.900	78	75	86	N E	12*	0.04		b, c
	21st	10	29.987	29.997	84	77	71	N by W	9*	0.81		b, c
	21st	16	29.863	29.893	80	76	82	N E	2*	0.09		b, c
	14th	10	29.857	29.939	87	78	65	S W	...	...	K, CK	fair
	15th	10	29.756	29.838	84	78	75	S S E	0.3*	...	N	c, u
	16th	10	29.784	29.867	81	76	64	W S W	...	0.20	CK	fair
	17th	10	29.930	30.012	86	80	75	W N W	0.1*	0.40	CK	c, r
CALCUTTA.	17th	16	29.813	29.894	90	69	30	W S W	0.1*	...		fair
	18th	10	29.897	29.979	87	80	72	N N W	0.3*	...		fair
	18th	16	29.794	29.875	91	75	44	N N W	...	...	KS	fair
	19th	10	29.903	29.985	84	72	53	W N W	0.2*	...		fair
	19th	16	29.793	29.874	91	74	41	N W	0.1*	...		fair
	20th	10	29.920	30.002	86	75	57	W S W	0.1*	...		fair
	20th	16	29.816	29.897	92	73	37	N W	0.2*	...		b, fair
	21st	10	29.908	29.990	84	74	60	N N W	...	...		b, fair
	21st	16	29.806	29.888	88	71	40	N N W	0.2*	...		b, fair
	21st	18	29.835	29.907	84	71	50	N N W	0.1*	...		b, fair
CALCUTTA.	15th	10	29.801	29.883	86	73	51	N N E	0.4*	...	K	fair
	16th	10	29.956	29.971	82	78	82	N	1	...	K	b
	16th	16	29.839	29.854	85	80	79	W N W	1	...	K, CS	b
	17th	10	29.954	29.969	86	81	83	E	1	...	K	b
	17th	16	29.834	29.849	86	81	79	W N W	1	...	CS, K	b
	18th	10	29.941	29.956	84	79	79	E N E	1	...	K	b
	18th	16	29.834	29.849	87	81	76	W S W	1	...	K, CS	b
	19th	10	29.951	29.966	84	80	83	E	1	...	K, KS	b
	19th	16	29.835	29.850	87	80	72	W S W	1	...	K, CS, S	b
	20th	10	29.954	29.969	83	79	83	E N E	1	...	CK	b
CALCUTTA.	20th	16	29.846	29.861	86	79	72	W N W	2	...	C, CS, K	b
	21st	10	29.914	29.929	83	79	83	E S E	1	...	K	b
	21st	16	29.831	29.846	87	80	72	W	1	...	C, K	b
	21st	18	29.901	29.916	84	80	83	E	1	...	K	b
CALCUTTA.	21st	18	29.730	29.795	87	81	76	W N W	1	...	CS, K	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The October 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

**Results of the Meteorological Observations taken at the Surveyor-General's Office, Calcutta, from 15th to 21st October 1871.**

Month.	Date.	Mean reduced barometer.	THERMOMETER.			Mean dry bulb.	Mean wet bulb.	Computed mean dew-point.	Mean degree of humidity.	WIND.			Rain.	Moon's phases.	GENERAL REMARKS.
			Highest reading.	Lowest reading.	Max. solar radiation.					Prevailing direction.	Max. pressure.	Daily velocity.			
		Inches.	°	°	°	°	°	°			h	Miles.	In.		
Oct.	15th	29.892	88.0	77.5	153.0	81.9	78.6	76.3	0.84	S S E & S	...	75.7	...	...	Clear and cumuli. Drizzled at 12½ A.M.
	16th	29.911	89.8	79.4	145.7	83.6	78.3	74.6	.75	S & N by E	...	94.0	...	...	Clear and cirrostrati.
	17th	29.896	89.0	79.0	147.2	82.9	76.6	72.2	.71	N by E & W	...	85.6	...	...	Clear and cumuli.
	18th	29.888	88.0	77.0	146.2	81.8	75.4	70.9	.71	W & W S W	...	96.3	...	...	Clear.
	19th	29.905	88.5	75.8	147.0	81.2	73.6	68.3	.66	W S W & W	...	81.0	...	...	Clear.
	20th	29.918	87.4	73.5	145.5	79.9	72.7	67.7	.68	W & E N E	...	90.7	...	...	Clear and cirri.
	21st	29.899	87.4	74.3	146.8	80.7	74.4	70.0	.71	E N E & N by E	0.8	106.8	...	...	Clear and cumuli.

The mean barometer as likewise the dry and wet bulb thermometer means are derived from the twenty-four hourly observations made during the day.

The dew-point is computed with the Greenwich constants.—The figures in column 10 represent the humidity of the air, the complete saturation of which being taken at unity.—The receiver of the lower rain gauge is 1½ feet, and that of the anemometer 70 feet 10 inches, above the level of the ground.—The velocity of wind, as indicated by Robinson's anemometer, is registered from noon to noon.

The extreme variation of temperature during the past seven days	...	16.8
The max. temperature during the past seven days	...	89.8
The max. temperature during the corresponding period of the past year	...	91.6
The mean humidity during the past seven days	...	0.72
The mean humidity during the corresponding period of the past year	...	0.77
		Inches.
The total fall of rain from 15th to 21st	... { by lower rain gauge	Nil
	... { by anemometer gauge	Nil
Ditto ditto average of seventeen previous years	...	0.56
Ditto between the 1st January and the 21st October	...	88.24
Ditto ditto ditto ditto, average of seventeen previous years...	...	66.25

CALCUTTA,  
The 24th October 1871.

GOPEENAUTH SEN,  
In charge of the Observatory.

No. 44

of 1871



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY, NOVEMBER 1, 1871.

**OFFICIAL PAPERS.**

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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## Rainfall, Weather and State and Prospects of the Crops.

Statement showing Rainfall, Weather and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 28th October 1871.

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
1	Bhaugulpore	Oct. 28th	0	Favorable	Very good.	
2	Monghyr	" 28th	0	Excellent	Favorable.	
3	Purneah.	" 28th	0	Fair and cool	Rice good; cold weather crops promising, mustard in particular.	
4	Rajmehal	" 28th	0	Fine	Good, but rain much needed for paddy and cold weather crops.	
5	Deoghur	" 28th	0	Dry	Rice being reaped; outturn small. Cold weather crops promising where late rain has fallen.	
6	Nya Doomka	" 28th	A few drops.	Sun very hot and powerful, but night and morning cold.	Most unfavorable. Want of rain has done great injury to paddy, and considerable loss is apprehended if it does not rain soon.	
7	Godda	" 28th	0	Fine and seasonable.	Generally good.	
8	Pakour.	" 27th	0.2	Rainy and then fair.	Rice good; cold weather crops somewhat damaged by the late rain.	
9	Jamtara	" 28th	2	Clear and bright...	Very promising.	
10	Patna.	" 28th	0	Fair and chilly towards the morning.	Rice promising; cold weather crops being sown.	
11	Gya.	" 29th	0.1	Fair	Rice on high lands good, on low lands utterly destroyed; cold weather crops fair.	
12	Chumparun	" 27th	0.3	Warm	Rice good on high lands and much injured on low lands by inundation.	
13	Surun	" 19th	0	Fair	Improving	
14	Shahabad	" 27th	0.3	Fair	Rice promising where not destroyed by inundation; cold weather crops good.	
15	Tirhoot	" 28th	0	Fine and seasonable.	Good.	
16	Rajshahye	" 21st	0	Fair	Good.	
17	Bogra.	" 28th	0.5	Fair	Favorable.	
18	Dinagepore.	" 28th	0.5	Fine	Good; a little more rain necessary.	
19	Maldah	" 28th	0.5	Fine	Good; a little more rain necessary.	
20	Moorsheadabad	" 28th	0.5	Fine	Good; a little more rain necessary.	
21	Pubna	" 28th	0.4	Fine and seasonable.	Good.	
22	Rungpore	" 21st	0	Fair	Good.	
23	Burdwan	" 28th	0.5	Fair	Favorable.	
24	Bancoorah	" 28th	0.5	Fine	Good; a little more rain necessary.	
25	Beerbhoom.	" 28th	0.4	Fine and seasonable.	Good.	
26	Hooghly.	" 21st	0	Cool	Good.	
27	Howrah.	" 21st	0.4	Fair	Excellent.	
28	Midnapore	" 27th	3.2	Dry and hot, then rainy and cool.	Full 16 annas crops expected.	
29	Nuddea	" 28th	1.0	Rainy and then fine.	Rice that is not destroyed by inundation is good.	
30	Jessore	" 27th	2.4	Partly rainy and partly fair.	Favorable as before.	
31	24-Pergunnahs.	" 27th	2.3	Fair and then rainy.	Continue good.	
32	Dacca	" 27th	2.3	Fair and then rainy.	Continue good.	
33	Backergunge.	" 27th	2.3	Fair and then rainy.	Continue good.	
34	Furreedpore.	" 27th	2.3	Fair and then rainy.	Continue good.	
35	Mymensingh.	" 27th	2.3	Fair and then rainy.	Continue good.	
36	Sylhet	" 21st	0	Cool	Good.	
37	Cachar	" 21st	0.4	Fair	Excellent.	
38	Chittagong.	" 21st	0.4	Fair	Excellent.	
39	Noakhally or Bulloah.	" 20th	0.2	Clear	Good.	
40	Tipperah	" 21st	0.3	Fine	Good.	
41	Hill Tracts of Chittagong.	" 21st	0.3	Fine	Good.	

River is rapidly going down.

Rivers falling very fast; general health pretty good, but many cattle dying.

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district as far as known.	State and prospects of the crops at date.	REMARKS.
42	Cuttack.					
43	Balasore.					
44	Pooree	... Oct. 20th	0.2	Dry and hot	... Want of rain very much felt.	A blight has affected paddy in some places.
45	Hazareebaugh	... " 28th	0.1	Favorable	... Favorable.	
46	Lohardugga	... " 27th	0	Fair	... Very good, but a little more rain is necessary.	
47	Maunbhoom	... " 28th	0.1	Fine	... Crops suffering from want of rain.	
48	Singbhoom	... " 20th	0	Seasonable	... Very favorable.	
49	Durrung	...				
50	Nowgong	... " 20th	3.4	Cool	... Good.	Sickness decreasing.
51	Sebsauger	... " 21st	1.2	Cool and pleasant	Good.	
52	Kamroep	... " 21st	0	Dry	... Favorable.	
53	Luckimpore	...				
54	Khasi and Jynteah Hills.	... " 20th	0.3	Fine	... Good.	
55	Naga Hills	... " 14th	3.1	Fair, then rainy	... Favorable.	
56	Julpigoree.					
57	Gowalparah.					
58	Garohills.					
59	Darjeeling.					
60	Cooch Behar	... " 21st	0	Seasonable	... Fair.	

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 31st November 1871.

R. H. WILSON,  
Offg. Under-Secy. to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 22nd to 28th October 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Oct.											
	22nd	10	29.952	29.970	85	77	68	E by N	...	...	K	
	16		29.838	29.856	86	75.5	69	E N E	...	...	K	
	23rd	10	29.934	29.952	85.5	77.5	68	E N E	...	...	K	
	16		29.795	29.813	85	78	71	S E	...	...	N	
	24th	10	29.888	29.906	75	74	95	E S E	...	0.03	...	o & raining
	16		29.779	29.798	73.5	73	97	E S E	...	1.84	...	o & d
	25th	10	29.744	29.763	73	72.5	97	E by N	...	2.47	...	o & raining
	16		29.634	29.653	74	73	90	E N E	...	0.73	...	o
	26th	10	29.708	29.726	75.4	72.4	85	N by E	...	...	K & scuds from N by E.	
SANTOR ISLAND.	16		29.632	29.640	77	72.6	81	N W	...	...	S	
	27th	10	29.855	29.873	79.5	73	71	N W	...	...	C	
	16		29.746	29.764	84	73.2	66	W N W	...	...	C & K	
	28th	10	29.870	29.888	81.2	75.5	76	W S W	...	...	...	b
	16		29.765	29.783	85.0	76.0	64	S W	...	...	...	b
	22nd	10	29.960	29.966	85	78	71	N	6.4*	...	K	b, m
	16		29.836	29.842	86	77	64	N N W	12.5*	...	K	b
	23rd	10	29.928	29.934	86	79	72	E N E	6.7*	...	K	b
	16		29.815	29.821	80	78	91	N	11.9*	0.50	N, C	d, o
	24th	10	29.869	29.875	73	73	100	N E	12.0*	5.60	N	g, o, q, r
CHITTAGONG.	16		29.727	29.733	77	77	109	E S E	14.4*	4.70	N	g, o, q, r
	25th	10	29.708	29.714	73	73	100	E N E	12.4*	6.70	N	o, g, m, r
	16		29.610	29.616	74	73	95	N E	11.3*	0.60	N	g, o, u
	26th	10	29.706	29.712	76	73	80	N	27.3*	...	N	o
	16		29.634	29.640	80	74	74	N N W	18.7*	...	N	b
	27th	10	29.873	29.879	80	71	63	N W	4.9	...	C	b
	16		29.767	29.773	84	79	79	W S W	6.1*	...	N	b
	28th	10	29.890	29.896	83	78	78	S W	8.5*	...	N	b
	16		29.797	29.803	83	78	78	S W	13.2*	...	K, S	b
	22nd	10	29.862	29.873	85	77	68	N	3.9*	...	...	b
MADRAS.	16		29.733	29.842	87	78	65	W	5.1*	...	...	b
	23rd	10	29.905	29.917	78	74	81	E N E	3.8*	0.20	CK, KS	f, g
	16		29.791	29.903	80	77	86	N E	6.9*	...	KS, CK	b
	24th	10	29.872	29.884	80	76	82	Calm	3.9*	...	KS	g
	16		29.776	29.889	77	74	86	N	2.6*	...	N	d, g
	25th	10	29.722	29.835	71	70	75	N	5.1*	0.90	N	d, u, g
	16		29.697	29.720	72	71	95	E	10.1*	1.50	N	r, o, g
	26th	10	29.620	29.733	73	72	95	N E	6.3*	1.80	N	d, o, g
	16		29.467	29.577	79	76	86	S W	17.6*	1.60	N	r, o, g
	27th	10	29.784	29.877	75	73	90	N N W	5.4*	...	KS	u, g
CUTTACK.	16		29.684	29.795	79	75	82	N W	4.2*	...	C	b
	28th	10	29.806	29.918	80	75	78	N	3.0*	...	...	b
	16		29.718	29.829	82	76	74	N W	5.9*	...	C, S	b
	21st	10	29.924	29.954	86	78	68	N	8*	...	...	bc
	16		29.818	29.848	85	74	57	N N E	12*	...	...	bc
	22nd	10	29.908	29.938	83	75	67	N by W	10*	...	...	bc
	16		29.805	29.835	85	76	64	N E by N	11*	...	...	bc
	23rd	10	29.845	29.875	83	75	67	N by W	13*	...	...	bc
	16		29.745	29.775	78	75	86	N by W	4*	0.04	...	o
	24th	10	29.804	29.834	72	68	80	W N W	5*	1.32	...	o
AYYAB.	16		29.687	29.717	77	71	73	N W	3*	...	...	o
	25th	10	29.783	29.813	82	71	55	W	8*	...	...	o
	16		29.672	29.702	87	74	51	W N W	2*	...	...	bc
	26th	10	29.845	29.875	84	72	53	W	6*	...	...	bc
	16		29.730	29.760	89	72	40	N N W	3*	...	...	bc
	27th	10	29.884	29.914	85	78	71	W S W	7*	...	...	bc
	16		29.777	29.807	83	73	60	S E	5*	...	...	bc
	22nd	10	29.905	29.987	84	72	53	N N E	0.1*	...	...	fair
	16		29.778	29.800	87	73	48	N N E	0.7*	...	...	fair
	23rd	10	29.855	29.937	84	73	58	N N E	0.1*	...	C	fair
AYYAB.	16		29.732	29.814	85	76	64	N N E	0.6*	...	N	o, u
	24th	10	29.739	29.822	81	76	78	N E	0.2*	...	N	o, d
	16		29.641	29.725	74	73	95	N E	0.7*	...	...	d
	25th	10	29.632	29.715	80	75	78	N N E	0.1*	0.10	N, KS	u
	16		29.530	29.613	80	75	78	N E	0.7*	...	N, KS	u
	26th	10	29.692	29.775	82	72	59	N W	0.4*	...	C, KS	cloudy
	16		29.600	29.682	86	74	54	W N W	0.4*	...	C	...
	27th	10	29.811	29.894	82	73	63	W	0.1*	...	C	calm
	16		29.709	29.791	68	73	46	N N W	0.1*	...	C, KS	fair
	28th	10	29.851	29.934	82	73	63	W N W	0.1*	...	...	b, fair
AYYAB.	16		29.716	29.798	89	74	46	W N W	0.3*	...	...	b, fair
	22nd	10	29.914	29.959	83	78	78	S S W	2	...	K, C, KS	g
	16		29.834	29.849	83	79	83	W	1	...	KS	d
	23rd	10	29.950	29.965	77	75	90	E	1	2.70	N	r, d
	16		29.847	29.862	78	74	81	E N E	1	...	...	g
	24th	10	29.910	29.925	77	75	90	N N E	1	...	...	d
	16		29.798	29.813	78	70	90	N E	1	...	...	g
	25th	10	29.845	29.890	75	73	90	S E	4	2.10	...	r
	16		29.726	29.741	75	74	95	S E	4	0.80	KS, N	r
	26th	10	29.703	29.718	80	78	91	S	4	2.00	KS, N	r
AYYAB.	16		29.653	29.688	80	77	86	S W	4	0.50	KS	g
	27th	10	29.803	29.818	80	78	91	S	1	0.90	C, K, KS	g
	16		29.720	29.745	77	73	81	S	2	...	K, KS	o
	28th	10	29.837	29.852	79	76	86	N E	1	0.90	K, KS, C S	g
	16		29.763	29.778	80	76	82	E	...	...	C S, K, KS	b

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 28th October 1871.HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.



**Abstract of the Results of the Hourly Meteorological Observations taken  
at the Surveyor-General's Office, Calcutta, in the month of  
September 1871.**

\*LATITUDE 22° 33' 1" north. Longitude 88° 20' 34" east. Height of the cistern of the standard barometer above the sea-level, 18·11 feet.

**MONTHLY RESULTS.**

			Inches.
Mean height of the barometer for the month	...	...	29·676
Max. height of the barometer occurred at 10 A.M. on the 28th	...	...	29·884
Min. height of the barometer occurred at 3 P.M. on the 12th	...	...	29·470
Extreme range of the barometer during the month	...	...	0·414
Mean of the daily max. pressures	...	...	29·734
Ditto ditto min. ditto	...	...	29·610
Mean daily range of the barometer during the month	...	...	0·124
<hr/>			
Mean dry bulb thermometer for the month	...	...	82·5
Max. temperature occurred at 2 P.M. on the 4th	...	...	91·0
Min. temperature occurred at 9 A.M. on the 13th	...	...	77·8
Extreme range of the temperature during the month	...	...	13·2
Mean of the daily max. temperature	...	...	87·3
Ditto ditto min. ditto	...	...	79·4
Mean daily range of the temperature during the month	...	...	7·9
<hr/>			
Mean wet bulb thermometer for the month	...	...	80·0
Mean dry bulb thermometer above mean wet bulb thermometer	...	...	2·5
Computed mean dew-point for the month	...	...	78·2
Mean dry bulb thermometer above computed mean dew-point	...	...	4·3
<hr/>			
Mean elastic force of vapour for the month	...	...	0·946
<hr/>			
Mean weight of vapour for the month	...	...	10·17
Additional weight of vapour required for complete saturation	...	...	1·47
Mean degree of humidity for the month, complete saturation being unity	...	...	0·87
<hr/>			
Mean max. solar radiation thermometer for the month	...	...	141·9
<hr/>			
Rained 23 days,—max. fall of rain during 24 hours	...	...	3·25
Total amount of rain during the month	...	...	9·93
Total amount of rain indicated by the gauge* attached to the anemometer during the month	...	...	9·25
Prevailing direction of the wind	...	...	S by W, S S E & S.

\* Height, 70 feet 10 inches above ground.

The 31st October 1871.

GOPEENAUTH SEN,  
In charge of the Observatory.

No. 45



of 1871

# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, NOVEMBER 8, 1871.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT, separately, on payment of six Rupees per annum if delivered in Calcutta, or twelve Rupees if sent by Post.*

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## Rainfall, Weather and State and Prospects of the Crops.

Statement showing Rainfall, Weather and State and Prospects of the Crops in the different Districts of the Lower Provinces of Bengal, as reported to Government during the week ending 4th November 1871.

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
1	Bhaugulpore	Nov. 4th	0	Favorable	Very good; cold weather crops good.	
2	Monghyr	" 4th	0	Excellent	Very good.	
3	Purneah.	" 4th	0	Fair and cool	Amun suffering from want of rain; cold weather crops promise well, but the kolye is not good.	Fever prevailing.
4	Rajmehal	" 4th	0	Favorable	Quarter of the rice will be destroyed for want of rain.	
5	Deoghur	" 4th	0	Favorable	Paddy good; three-quarter of the cold weather sowings abandoned.	
6	Nya Doonka.	" 4th	0	Days hot, nights dry and cold.	Good. Reaping commenced in some places.	
7	Godda	" 4th	0.5	Fair	Satisfactory.	
8	Pakour	" 4th	0	Very fine and seasonable.	Rice better than expected. Cold weather crops promising; 12 to 14 anna crops expected.	
9	Jamtara	" 4th	0	Fine and dry	Rice in the south destroyed, in the north good. Cold weather crops excellent, except in very low lands.	
10	Patna	" 4th	0	Fine and seasonable.	Rice promising; sowing of the cold weather crops commenced.	
11	Gya.	" 4th	0	Fine and dry	Very good.	
12	Chumpann.	" 4th	0	Cool and pleasant	Very favorable.	
13	Sarun	" 4th	0	Changeable	Good, but rice on high lands is suffering from want of rain.	
14	Shahabad	" 4th	0	Bright and clear	All crops much improved. The remaining rice is good; cold weather crops promising.	Floods quite subsided. Some sickness and cattle disease prevailing.
15	Tirhoot.	" 4th	0	Fair	Good.	
16	Rajshahye	Oct. 28th	0	Fair	Favorable.	
17	Bogra	Nov. 4th	0	Fair	More rain necessary for the crops.	
18	Dinapore	" 4th	0	Cool	Good.	
19	Maldah	" 4th	0	Fine	The amun that is not destroyed by inundation is very good.	
20	Moorshedabad	" 4th	0	Clear	Satisfactory.	
21	Pubna.	" 4th	4.5	Favorable	Very good.	
22	Rungpore	" 4th	0	Dry and cold	The surviving rice good; cold weather crops coming up well.	Cattle disease in most places; health of the people better than could have been expected.
23	Burdwan	" 4th	0	Fine	Continue favorable	
24	Bancoorah	" 4th	0	Fair	Good where there has been no inundation.	Inundation rapidly subsiding.
25	Beerbhoom	" 4th	0	Fine	Favorable.	
26	Hooghly	" 4th	0	Clear	Good	
27	Howrah	" 4th	4.5	Favorable	Good	
28	Midnapore	" 3rd	0	Dry and cold	Good	
29	Nuddea	" 4th	0	Fine	The surviving rice good; cold weather crops coming up well.	
30	Jessore	" 4th	0	Fine	Continue favorable	
31	24-Pergunnahs	" 4th	0	Fair	Good where there has been no inundation.	
32	Dacca.	" 4th	0	Fair	Good	
33	Backergunge	Oct. 28th	5.5	Rainy and sunny	Favorable.	
34	Furreedpore	" 28th	1.4	Wet and disagreeable.	Good	
35	Mymensingh	Nov. 4th	0	Fair and cool	Excellent.	
36	Sylhet	Oct. 27th	1.4	Fair	Good.	
37	Cachar.	" 28th	6.0	Wet, rainy, and then cool.	Good.	
38	Chittagong.	" 27th	12.2	Very rainy	Good as far as known.	
39	Noakhally or Bulloah.	" 27th	12.2	Very rainy	Good as far as known.	
40	Tipperah	" 28th	4.5	Fine	Good.	
41	Hill Tracts of Chittagong.	" 28th	4.5	Fine	Good.	



SUPPLEMENT TO THE CALCUTTA GAZETTE, NOVEMBER 8, 1871. 717

No.	District.	Date of return from each district.	Rainfall at Sudder Station, in inches.	Character of the weather in the district, as far as known.	State and prospects of the crops at date.	REMARKS.
42	Cuttaek	Oct. 28th	0.2	*	*	*No information supplied
43	Balasore	" 28th	4.4	Good	... Excellent.	
44	Pooree	" 27th	1.2	Sunny	... Great loss in rice in many places from want of rain; in others it is promising.	Merchants from the south are bringing up rice, price is to rise.
45	Hazareebaugh	Nov. 4th	0	Favorable	... Favorable.	
46	Lohardugga.	" 4th	0	Fine	... More than one-third of the crops will be lost for want of rain.	
47	Maunbhoom	" 4th	0	Fine	... Very favorable.	
48	Singbhoom	Oct. 27th	0.7	Seasonable	...	
49	Durrung.	" 27th	5.4	Growing cold	... Good.	
50	Nowgong	" 28th	2.5	Damp and un-healthy.	... Satisfactory.	
51	Sebsaugor	" 28th	1.0	Rainy	... Favorable.	
52	Kamroop	" 28th	1.2	Fine and cool	... Satisfactory.	
53	Luckimpore	" 27th	2.9	Rainy	... Crops slightly damaged by the unusual rain.	
54	Khasi and Jynteah Hills.	" 21st	0.8	Foggy and hot	... Rice on the hills cut and gathered; in other places it is good.	
55	Naga Hills	" 27th	0	Fair	... Fair, but more rain required.	
56	Julpigoree	" 28th	0.4	Foggy and rainy	... Less favorable owing to want of rain.	
57	Gowalparah	" 28th	0.7	Seasonable	... Healthy.	
58	Garo Hills	" 28th	0	Fair	... Progressing favorably.	
59	Darjeeling	" 28th	0.2	Seasonable	... Fair.	
60	Cooch Behar	" 28th				

N. B.—The columns of the districts from which returns have not been received remain blank.

Published for general information.

FORT WILLIAM :  
The 7th November 1871.

R. H. WILSON,  
Offg. Under-Secy. to the Govt. of Bengal.

### Meteorological Telegraphic Report for the period 29th October to 4th November 1871.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	Oct.											
	29th	10	29.939	29.957	80.5	77.3	86	S W	...	...	...	b
	16		29.839	29.857	85.2	72.0	50	S W	...	...	C	b
	30th	10	29.950	29.968	81.8	73.6	66	S S W	...	...	...	b
	16		29.845	29.843	84.2	72.5	54	W by S	...	...	...	b
	31st	10	29.920	29.978	82.0	71.8	59	W S W	...	...	...	b
	Nov.	16	29.843	29.861	83.5	72.0	54	E S E	...	...	...	b
	1st	10	30.001	30.019	81.2	73.5	63	S	...	...	...	b
	16		29.876	29.894	84.0	74.0	60	S	...	...	...	b
	2nd	10	30.000	30.018	82.0	75.5	72	S S W	...	...	...	b
	16		29.878	29.896	85.5	75.2	59	S W	...	...	...	b
	3rd	10	30.013	30.031	80.5	73.7	72	W S W	...	...	...	b
	16		29.900	29.918	85.5	72.0	49	W	...	...	...	b
	4th	10	30.011	30.029	80.5	72.4	66	W S W	...	...	...	b
	16		29.894	29.912	84.0	69.9	46	W S W	...	...	...	b
SAUGOR ISLAND.	Oct.											
	29th	10	29.958	29.964	83	80	87	S S W	3.5*	...	N	b, y
	16		29.856	29.862	85	79	75	S W	7.3*	...	C	b
	30th	10	29.961	29.967	82	75	70	N N W	2.3*	...	C	b, m
	16		29.851	29.857	85	77	68	W	6.1*	...	...	b, m
	31st	10	29.973	29.979	81	76	78	N W	12.0*	...	C	b, m
	Nov.	16	29.874	29.880	83	73	60	N N W	6.0*	...	...	b
	1st	10	30.020	30.026	81	77	82	W N W	0.7*	...	C	b
	16		29.901	29.907	85	77	68	W S W	6.0*	...	K	b
	2nd	10	30.030	30.036	83	77	75	S W	7.6*	...	C	b
	16		29.901	29.907	85	79	75	S S W	7.8*	...	C, S	b
	3rd	10	30.033	30.039	82	79	87	W S W	6.8*	...	C	b
	16		29.928	29.932	86	80	75	W	6.6*	...	...	b
	4th	10	30.025	30.031	81	78	86	N W	3.2*	...	C	b
	16		29.912	29.918	86	78	68	W S W	4.9*	...	C	b
CHITTAGONG.	Oct.											
	29th	10	29.880	29.992	80	74	74	Calm	2.5*	...	...	b
	16		29.768	29.879	82	75	70	N W	2.6*	...	...	b
	30th	10	29.822	29.934	78	72	73	N N W	6.0*	...	...	b
	16		29.746	29.853	80	74	74	W N W	5.5*	...	K	b
	31st	10	29.878	29.990	81	73	66	N N E	3.9*	...	...	b
	Nov.	16	29.783	29.894	83	75	67	W	5.4*	...	...	b
	1st	10	29.925	30.036	82	73	63	N N E	3.5*	...	...	b
	16		29.827	29.938	82	70	52	Calm	4.1*	...	...	b
	2nd	10	29.932	30.044	81	71	59	N N E	3.3*	...	...	b
	16		29.850	29.962	81	73	66	Calm	3.7*	...	...	b
	3rd	10	29.943	30.055	79	71	65	N E	4.3*	...	...	b
	16		29.837	29.948	83	77	75	Calm	7.2*	...	...	b
	4th	10	29.938	30.050	80	73	70	N N E	3.5*	...	...	b
	16		29.827	29.939	81	80	95	Calm	8.2*	...	C	b
MADRAS.	Oct.											
	29th	10	29.901	29.931	86	75	57	W	3*	...	...	b
	16		29.814	29.844	86	75	57	N E	10*	...	...	b
	30th	10	29.960	29.990	86	76	61	N E by E	6*	...	...	b
	16		29.872	29.902	84	73	56	N E by E	7*	...	...	b
	31st	10	29.953	29.983	83	74	63	N E	4*	...	...	b
	Nov.	16	29.845	29.875	85	75	60	S W	0*	...	...	b
	1st	10	29.934	29.964	85	75	60	N	6*	...	...	b
	16		29.841	29.871	85	74	57	N N E	11*	...	...	b
	2nd	10	29.945	29.975	74	73	95	N W by W	8*	3.32	...	b
	16		29.856	29.886	76	74	90	N N W	9*	0.61	...	b
	3rd	10	29.957	29.987	83	79	83	E S E	7*	1.10	...	b
	16		29.853	29.883	84	77	71	N E	14*	...	...	b
	4th	10	29.977	30.007	85	78	71	E N E	12*	0.26	...	b
	16		29.874	29.904	84	77	71	E N E	8*	...	...	b
CUTTACK.	Oct.											
	29th	10	29.786	29.868	86	73	51	W N W	0.1*	...	...	b, fair
	16		29.776	29.857	90	86	84	N N E	0.3*	...	...	b, fair
	30th	10	29.888	29.971	82	72	59	W	0.1*	...	...	b, fair
	16		29.774	29.856	88	71	40	Calm	0.3*	...	...	b, fair
	31st	10	29.893	29.976	81	72	62	N N E	...	...	...	fair clam
	Nov.	16	29.784	29.866	87	71	42	E	0.2*	...	...	b fair clam
	1st	10	29.931	30.014	82	73	63	W S W	...	...	...	b clam fair
	16		29.823	29.905	88	87	95	N N E	0.1*	5.00	...	fair
	2nd	10	29.938	30.020	83	82	95	W S W	0.1*	...	...	fair
	16		29.820	29.901	90	72	66	N	0.2*	...	C	fair
	3rd	10	29.938	30.020	83	74	63	W	0.1*	...	...	b fair
	16		29.827	29.908	90	72	38	N W	0.2*	...	...	fair
AKYAB.	Oct.											
	29th	10	29.912	29.927	80	77	86	E N E	1	...	C, CS, K	b
	16		29.811	29.826	84	79	79	N W	1	...	K, Ks	b
	30th	10	29.969	29.924	81	78	86	E N E	1	...	K	b
	16		29.808	29.823	85	79	75	W	1	...	K	b
	31st	10	29.932	29.947	80	77	86	E N E	1	...	C, CS, K	b
	Nov.	16	29.838	29.853	84	77	71	W N W	1	...	C, CS, K	b
	1st	10	29.969	29.984	82	78	83	E N E	1	...	C, K	b
	16		29.868	29.883	85	78	64	W	1	...	CS, K	b
	2nd	10	29.979	29.994	81	77	82	E	1	...	KS	b
	16		29.878	29.893	85	79	75	W	1	...	CS, KS	b
	3rd	10	29.979	29.994	81	78	78	N	2	...	...	b
	16		29.878	29.893	85	79	75	N W	1	...	CS, K	b
	4th	10	29.967	29.982	79	73	73	N	1	...	CS, S	b
	16		29.858	29.873	84	78	75	N W	1	...	CS, S	b

\* Velocity of wind in miles per hour.

CALCUTTA.  
The 4th November 1871.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	Station.	Rainfall from 2nd to 8th Oct. 1871.	Rainfall from 9th to 15th Oct. 1871.	Rainfall from 16th to 22nd Oct. 1871.	Rainfall from 23rd to 29th Oct. 1871.	RAINFALL FROM 1ST JANUARY 1871.		REMARKS.
						Rain	Up to date.	
CUTTACK.	Cuttack { Telegraph Office ...	0.50	0.20	0.40	0.10	56.28	29th Oct. 1871.	
	Cuttack { Jail ...	Nil	0.52	Nil	0.18	50.23	ditto.	
	False Point ...	ditto	4.79	ditto	7.55	69.69	ditto.	
	Jajipore ...	ditto	Not recd.	Not recd.	Not recd.	83.72	8th Oct. 1871.	
	Kendraparah ...	ditto	ditto	ditto	ditto	44.30	ditto.	
	Jugutsingapore ...	ditto	ditto	ditto	ditto	47.93	ditto.	
	Sambulpore ...	ditto	Nil	Nil	ditto	41.76	22nd Oct. 1871.	
	Balasore ...	ditto	0.35	ditto	4.40	63.86	29th Oct. 1871.	
	Bhadruck ...	ditto	0.23	ditto	0.75	52.98	ditto.	
CHOTA NAGPORE.	Pooree ...	ditto	0.22	ditto	1.18	55.32	ditto.	
	Khoordah ...	ditto	2.71	Not recd.	Not recd.	55.68	15th Oct. 1871.	
	Hazareebaugh ...	ditto	1.20	Nil	0.06	55.68	29th Oct. 1871.	
	Burhee ...	ditto	Nil	ditto	Nil	49.02	ditto.	
	Pachamba ...	ditto	ditto	ditto	0.09	57.32	ditto.	
	Ranchee ...	ditto	0.30	ditto	Nil	61.43	ditto.	
	Palamow ...	ditto	Nil	ditto	Not recd.	51.58	22nd Oct. 1871.	
	Purnia ...	ditto	0.06	ditto	0.14	61.20	29th Oct. 1871.	
	Gobindpore ...	ditto	0.81	ditto	0.07	53.91	ditto.	From 12th June.
PATNA.	Chyebassa ...	ditto	1.73	ditto	0.60	58.42	ditto.	
	Patna ...	ditto	0.38	ditto	0.12	59.32	ditto.	
	Behar ...	ditto	Nil	ditto	Nil	54.22	ditto.	
	Barh ...	ditto	ditto	Nil	0.23	37.64	ditto.	
	Dinapore ...	ditto	ditto	ditto	0.31	58.08	ditto.	
	Gya ...	ditto	ditto	ditto	0.04	47.97	ditto.	
	Sherghotty ...	ditto	ditto	Not recd.	Nil	46.17	ditto.	Not received 16th to 22nd Oct.
	Nowadah ...	Not recd.	ditto	Nil	ditto	53.90	ditto.	Not received 2nd to 8th Oct.
	Arungabad ...	Nil	ditto	ditto	ditto	39.33	ditto.	
BHADRAPORE.	Champaran ...	ditto	Not recd.	Not recd.	Not recd.	59.53	8th Oct. 1871.	
	Bettiah ...	ditto	ditto	ditto	ditto	61.93	ditto.	From 5th June.
	Chuprah ...	ditto	Nil	Nil	0.85	75.67	29th Oct. 1871.	
	Sewan ...	ditto	ditto	ditto	Nil	83.61	ditto.	
	Mozufferpore ...	ditto	ditto	ditto	0.33	76.62	ditto.	
	Durbhangah ...	ditto	Not recd.	Not recd.	1.16	78.70	ditto.	Not received 9th to 22nd Oct.
	Seetamarree ...	ditto	ditto	ditto	Not recd.	63.89	8th Oct. 1871.	
	Tajpore ...	ditto	Nil	Nil	Nil	52.98	29th Oct. 1871.	Not recorded 6th to 10th March.
	Mudhubani ...	Nil	0.32	Not recd.	ditto	60.61	ditto.	From 1st April and not received 16th to 22nd Oct.
BHADRAPORE.	Hajipore ...	ditto	0.19	Nil	0.48	50.92	ditto.	From 22nd May.
	Arrah ...	ditto	0.35	ditto	0.10	60.89	ditto.	
	Buxar ...	ditto	Nil	ditto	0.30	72.48	ditto.	
	Sasseram ...	ditto	ditto	ditto	Nil	52.55	ditto.	
	Bhubhooh ...	ditto	Not recd.	Not recd.	Not recd.	61.37	8th Oct. 1871.	
	Benares ...	Nil	Nil	Nil	Nil	55.13	29th Oct. 1871.	
	Bhaugipore ...	ditto	Not recd.	Not recd.	Not recd.	37.62	8th Oct. 1871.	
	Mudheypoorah ...	ditto	Nil	Nil	0.10	56.23	29th Oct. 1871.	
	Banka ...	ditto	1.21	ditto	Nil	49.24	ditto.	
BHADRAPORE.	Seepool ...	0.22	1.07	ditto	0.03	32.29	ditto.	From 14th August.
	Monghyr ...	Nil	0.48	ditto	Nil	58.02	ditto.	
	Jamooie ...	ditto	Nil	ditto	ditto	47.37	ditto.	
	Begoozari ...	ditto	Not recd.	Not recd.	Not recd.	41.39	8th Oct. 1871.	
	Denghur ...	ditto	0.36	Nil	Nil	56.52	29th Oct. 1871.	
	Jamtara ...	ditto	0.20	ditto	ditto	62.53	ditto.	From 13th February.
	Rajmehal ...	0.10	Not recd.	Not recd.	ditto	73.50	ditto.	From 12th February, and not received 9th to 22nd Oct.
	Pakour ...	Nil	ditto	ditto	Not recd.	48.19	8th Oct. 1871.	From 21st May.
	Purneah ...	0.20	Nil	Nil	Nil	80.33	29th Oct. 1871.	
BHADRAPORE.	Kishengunge ...	0.32	Not recd.	Not recd.	Not recd.	65.57	8th Oct. 1871.	From 13th June.
	Arraria ...	Not recd.	ditto	ditto	ditto	77.06	1st Oct. 1871.	From 26th June.
BHADRAPORE.	Rampora Beaulah ...	0.10	1.54	Nil	Nil	72.51	29th Oct. 1871.	
	Nattore ...	Nil	3.60	ditto	1.30	85.16	ditto.	
	Bograh ...	0.35	3.96	ditto	0.02	92.99	ditto.	
	Dinapore ...	0.15	0.05	ditto	0.02	70.41	ditto.	
	Maidah ...	0.14	4.13	ditto	0.25	61.69	ditto.	
	Berhampore ...	Nil	1.82	ditto	Nil	59.07	ditto.	
	Jungipore ...	ditto	Nil	0.43	ditto	63.15	ditto.	
	Lalbagh ...	ditto	1.19	Nil	0.04	62.49	ditto.	From 16th January.
	Jamookandi ...	ditto	0.54	ditto	Nil	64.86	ditto.	From 17th April, and not received 18th to 24th Sept.
BHADRAPORE.	Pubna ...	ditto	4.42	ditto	0.35	71.52	ditto.	
	Serajgunge ...	ditto	1.22	ditto	2.70	78.96	ditto.	
	Rungpore ...	ditto	0.45	ditto	Not recd.	94.15	22nd Oct. 1871.	
	Bhowanigunge ...	1.21	0.18	ditto	Nil	67.31	29th Oct. 1871.	From 22nd January.
	Titaiya ...	0.15	Nil	ditto	0.29	81.48	ditto.	
	Burawan ...	Nil	5.02	ditto	0.46	68.35	ditto.	
	Cutwa ...	ditto	3.37	Not recd.	0.58	69.72	ditto.	Not received 16th to 22nd Oct.
	Culina ...	ditto	0.68	ditto	1.00	64.21	ditto.	Ditto.
	Bood-Bood ...	ditto	0.50	Nil	0.30	65.20	ditto.	
BHADRAPORE.	Rancoorah ...	ditto	0.15	ditto	0.52	61.40	ditto.	
	Raneegunge ...	ditto	0.72	ditto	0.18	54.88	ditto.	
	Sooree ...	ditto	0.88	ditto	1.04	61.61	ditto.	
	Hoozily ...	ditto	2.30	ditto	2.30	76.99	ditto.	
	Serampore ...	ditto	0.97	ditto	3.07	55.41	ditto.	From 20th March.
	Jehanabad ...	ditto	2.56	Not recd.	Not recd.	66.66	15th Oct. 1871.	From 21st April.
	Howrah ...	ditto	1.82	Nil	4.51	93.36	29th Oct. 1871.	
	Monsapore ...	ditto	0.45	ditto	3.16	72.02	ditto.	
	Contai { Dy. Collr.'s Office ...	ditto	1.86	Not recd.	16.20	87.15	ditto.	Not received 16th to 22nd Oct.
BHADRAPORE.	Contai { Engr.'s Office ...	ditto	2.40	Nil	17.89	100.62	ditto.	
	Gurbetta ...	ditto	1.14	ditto	0.42	62.05	ditto.	From 6th February.
	Tumlook ...	ditto	1.02	ditto	8.30	70.78	ditto.	